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(NASA-CR-144584-Vol-2) RESULTS OF PRESSURE
DISTRIBUTION TESTS OF A 0.010-SCALE SPACE
SHUTTLE ORBITER MODEL (61-0) IN THE NASA/ARC
3.5-FOOT HYPERSONIC WIND TUNNEL (TEST OH38),
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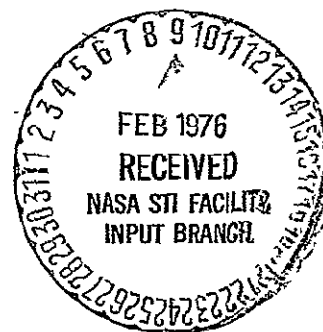
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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA Management services

SPACE DIVISION



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RESULTS OF PRESSURE DISTRIBUTION TESTS OF A
0.010-SCALE SPACE SHUTTLE ORBITER MODEL (61- 0)
IN THE NASA/ARC 3.5-FOOT
HYPERSONIC WIND TUNNEL (TEST OH38)

by

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Prepared under NASA Contract Number NAS9-13247

by

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New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: ARC 3.5-198
NASA Series Number: OH38
Model Number: 61-0
Test Dates: 20 June through 19 July 1974
Occupancy Hours: 320

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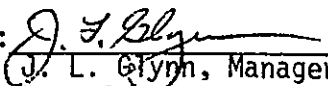
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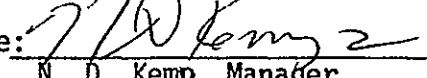
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ABSTRACT

The results of hypersonic tests conducted on a 0.010-scale model of the Rockwell International Space Shuttle 140C Orbiter in the NASA-Ames Research Center 3.5-foot hypersonic wind tunnel are presented in this report.

The purpose of these tests was to obtain hypersonic pressure distributions at simulated entry conditions. Pressure data were obtained at Mach numbers of 7.4 and 10.4 and Reynolds numbers of 3.0 and 6.5 million per foot. These data are presented in both plotted and tabulated data form.

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TABLE OF CONTENTS

	Page
ABSTRACT	iii
INDEX OF MODEL FIGURES	2
INDEX OF DATA FIGURES	3
INTRODUCTION	4
NOMENCLATURE	5
CONFIGURATIONS INVESTIGATED	8
INSTRUMENTATION	9
TEST FACILITY DESCRIPTION	10
DATA REDUCTION	11
TABLES	
I. TEST CONDITIONS	14
II. DATA SET/RUN NUMBER COLLATION SUMMARY	15
III. MODEL DIMENSIONAL DATA	17
IV. PRESSURE ORIFICE LOCATIONS	25
FIGURES	
MODEL	32
DATA--VOLUME 1	39
APPENDIX	
TABULATED SOURCE DATA--VOLUMES 2 AND 3	39

INDEX OF MODEL FIGURES

Figure	Title	Page
1.	Axis systems.	
	a. General	32
	b. Instrumentation Location Definitions	33
2.	61-0 pressure orifice locations.	
	a. Fuselage and Vertical Tail	34
	b. Top Right Wing	35
	c. Left Lower Wing	36
	d. Attach Points	37
3.	Model installation photograph.	38

INDEX OF DATA FIGURES

FIGURE NUMBER	TITLE	SCHEDULE OF COEFFICIENTS PLOTTED	CONDITIONS VARYING	PAGES
4	BOTTOM CENTERLINE	A	ALPHA	1-11
5	WING LOWER SURFACE (LT)	B	ALPHA, 2Y/B	12-91
6	OMS PODS	C	ROW NO, ALPHA	92-146
7	TOP CENTERLINE	A	ALPHA	147-163
8	WING UPPER SURFACE (RT)	B	ALPHA, 2Y/B	164-223
9	WING CLUSTERS	D	2Y/B, ALPHA	224-281
10	VERTICAL TAIL	E	Z/BV, ALPHA	282-331
11	WINDSHIELD	F	ROW, ALPHA	332-389
12	FUSELAGE CROSS SECTIONS	G	X/L, ALPHA	390-554
13	AFT SIDEWALL	A	ZO, ALPHA	555-610

SCHEDULE OF COEFFICIENTS PLOTTED:

- | | |
|-------------------------|-------------------------|
| A) CP/CPS versus X/L | E) CP/CPS versus X/CV |
| B) CP/CPS versus X/C | F) CP/CPS versus COLUMN |
| C) CP/CPS versus ROW NO | G) CP/CPS versus PHI |
| D) CP/CPS versus POSN | |

INTRODUCTION

This report presents results of tests conducted on a 0.010-scale model of the Rockwell International Space Shuttle Orbiter in the NASA/Ames Research Center 3.5-foot hypersonic wind tunnel. These tests were conducted from 6/20/74 through 7/19/74 during a total of 320 test hours.

The purpose of these tests was to obtain hypersonic pressure distributions on the 140C Orbiter to be used in conjunction with aerodynamic heating data obtained from other tests.

Pressure distributions were obtained for Mach numbers of 7.4 and 10.4. At Mach 7.4 Reynolds nos. of 3.0 and $6.5 \times 10^6/\text{ft.}$ were tested through an angle of attack sweep of 15° to 50° and at side slip angles of 0° and -1° (nose right). Elevons, speed brake and bodyflap were deflected as follows:

elevons: 0° , 5° , 10° , -7° , -40°

speed brake: 0° , 49°

bodyflap: 0° , 16.7° , 22° , -12°

At Mach 10.4, a Reynolds no. of 1.7 was tested through the same angle of attack and side slip angles as the Mach 7.4 sequence. The control deflections tested at Mach 10.4 are as follows:

elevons: 0° , 5°

speed brake: 0° , 49°

bodyflap: 0° , 16.7°

Most runs were repeated due to scanivalve problems during the test. All data gathered during the test are included in the Appendix. The plotted data, however, were selected for the report by eliminating duplicated and bad data sets.

NOMENCLATURE

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
	BL	butt line, distance from orbiter centerline in the outboard direction, in.
\mathcal{C}		centerline
Column	COLUMN	windshield column number, see figure 2a and table IV
C_{p_N}	CP	local model pressure coefficient at Nth orifice
$C_{p_{STAG}}$	CPSTAG	stagnation pressure coefficient
$C_{p_n}/C_{p_{STAG}}$	CP/CPS	ratio of local model pressure coefficient to stagnation pressure coefficient at Nth orifice
L.E.		leading edge
M_∞	MACH	freestream Mach number
P_1	P	freestream static pressure, psia
P_n		local model surface pressure, for orifice n, psia
	POSN	order relative to the leading edge for the wing L.E. clusters, see table IV
q_1	Q	freestream dynamic pressure, psf
Ray	RAY	windshield ray number, see figure 2a and table IV
	ROW NO	row number for OMS pod pressure taps see figure 2a
R_n/L	RN/L	unit Reynolds number, per foot
X_0	XO	longitudinal Orbiter station, full scale distance from Orbiter reference point or 238 in + F. S. distance from Orbiter nose

NOMENCLATURE (Continued)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
$\frac{X}{L}$	X/L	nondimensional distance from nose of Orbiter, fraction of Orbiter reference length
$\frac{X}{c}$	X/C	nondimensional distance from leading edge of wing, fraction of chord length
	X/CV	nondimensional distance from leading edge of vertical tail, fraction of local vertical tail chord
	X/LOM	longitudinal location on OMS pod, fraction of OMS pod length
Y_0	Y0	Orbiter spanwise station in.
$2Y/b$	2Y/B	nondimensional spanwise location on wing, fraction of wing semispan
Z_0	Z0	Orbiter vertical station, in.
Z/b_v	Z/BV	nondimensional spanwise location on vertical tail measured from $Z_0 = 500$, fraction of vertical tail span
α	ALPHA	angle of attack, deg.
β	BETA	angle of sideslip, deg.
ϕ	PHI	Orbiter cross-section angles measured clockwise looking forward $0^\circ = \text{bottom } Q_L$, deg.
δ_e	ELEV-L,R	elevon deflection angle left or right, deg.
δ_{BF}	BDFLAP	bodyflap deflection angle, deg.
δ_{SB}	SPDBRK	speedbrake deflection angle, deg.

NOMENCLATURE (Concluded)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
	BREF	wing span or reference span; ft
	LREF	reference length or wing mean aerodynamic chord; ft
	SREF	wing area or reference area; ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

CONFIGURATIONS INVESTIGATED

The model used for testing was a 0.010-scale model of the Rockwell International Space Shuttle Orbiter. The model was built to Rockwell Lines VL70-000140C.

The model was fabricated with the following control surface deflection possibilities:

elevons: 0, 5, 10, -7, -40

speedbrake: 0, 49

bodyflap: 0, 16.7, 22, -12

The model was sting mounted through its rear. Model pressure tubes were routed internally.

INSTRUMENTATION

The model was instrumented with 268 pressure orifices distributed over the model as shown in table IV and figure 2.

Model local pressures were recorded via one scanivalve unit consisting of six barrels. Each barrel recorded approximately 47 pressures.

The scanivalve unit described above was mounted above the sting in a steel box. Cooling of the box was accomplished by film cooling, i.e., injecting water into the boundary layer on the box.

Thermocouples mounted on the inside of the box wall and near the scanivalve unit indicated that the water film cooling provided a 50-60°F environment for the scanivalve during testing (typical test run time averaged 3 min.).

Two initial runs were made to determine pressure lag times and optimum scanivalve stepping rate. From these two runs, the lag time was determined to be 3-4 seconds and the optimum step rate was 0.7 sec. per port.

TEST FACILITY DESCRIPTION

The NASA-Ames 3.5-Foot Hypersonic Wind Tunnel is a closed-circuit, blowdown-type tunnel capable of operating at nominal Mach numbers of 5, 7, and 10 at pressures to 1800 psia and temperatures to 3400°R for run times to four minutes. The major components of the facility include a gas storage system where the test gas is stored at 3000 psi, a storage heater filled with aluminum-oxide pebbles capable of heating the test gas to 3400°R, axisymmetric contoured nozzles with exit diameters of 42 inches for generating the desired Mach number, and a 900,000 ft³ vacuum storage system which operates to pressures of 0.3 psia. The test section itself is an open-jet type enclosed within a chamber approximately 12-feet in diameter and 40-feet in length, arranged transversally to the flow direction.

A model support system is provided that can pitch models through an angle-of-attack range of -20 to +20 degrees, in a vertical plane, about a fixed point of rotation on the tunnel centerline. This rotation point is adjustable from 1 to 5 feet from the nozzle exit plane. The model normally is out of the test stream (strut centerline 37-inches from tunnel centerline) until the tunnel test conditions are established after which it is inserted. Insertion time is adjustable to as little as 1/2 second and models may be inserted at any strut angle.

A high-speed, analog-to-digital data acquisition system is used to record test data on magnetic tape. The present system is equipped to measure and record the outputs from 80 transducers in addition to channels of tunnel parameters.

DATA REDUCTION

Pressure transducer outputs were reduced to pressures using cell constants from pre-run calibrations

Local pressure coefficients were computed using:

$$C_{p_n} = \frac{P_n - P_1}{q_1}$$

The stagnation pressure coefficient was calculated using:

$$C_{P_{STAG}} = \frac{[(1.2M_\infty^2)^{3.5} \left(\frac{6.0}{7.0M_\infty^2 - 1} \right)^{2.5}] - 1}{0.7M_\infty^2}$$

This report contains plotted and tabulated data. Local pressure coefficient divided by stagnation pressure coefficient (CP/CPS) is the plotted variable. It is plotted versus one of the geometric dimensional variables. Only plots of selected data are presented. Each figure contains the selected data for a given component. For each individual component 9 datasets are plotted. The matrix below gives the test conditions and control deflections illustrated by these datasets.

Matrix of Plotted Datasets for Each Component

5th & 6th Character	Description	β	δ_e	δ_{SB}	δ_{BF}	RN/L	MACH
01 or 35	δ_{SB} & δ_{BF} Effect	0	0	41.5	15.7	3.0	7.4
03	Basic	0	0	0	0	3.0	7.4
04	RN/L Effect	0	0	0	0	6.5	7.4
05	δ_e Effect	0	+5	0	0	3.0	7.4
07	δ_{BF} Effect	0	+5	0	15.7	3.0	7.4

DATA REDUCTION (Continued)

5th & 6th Character	Description	β	δ_e	δ_{SB}	δ_{BF}	RN/L	MACH
11	δ_e Effect	0	+10	0	0	3.0	7.4
14 or 32	δ_e Effect	0	-40	0	0	3.0	7.4
16	β Effect	-1	0	0	0	3.0	7.4
20	MACH Effect	0	0	0	0	3.0	10.4

The appendix consists of a listing of the local pressure coefficient data (CP). All data for a given component are grouped together. Data for each component follows the same sequence as the Data Set/Run Number Collation Summary, Table II (alphabetic on the first dataset identifier character, then numeric on the 5th and 6th character). The plotted and tabulated data are arranged in the following manner:

DATA REDUCTION (Concluded)

VOLUME
NO.

CONTENTS

- 1 Plots of CP/CPS versus geometry.
See the index of data figures for
paganation.
- 2 Tabular listing of source data
CP ~ local pressure coefficient

	Component	Fourth Character*	Page
<u>Orbiter</u> ↓	bottom centerline	A	1
	top centerline	B	141
	OMS pods	C	261
	wing clusters	D	325
	windshield	E	389
	fuselage tangency line	F	445
	fuselage nose	G	507
	wing upper surface (RT)	H	630
3 <u>Orbiter</u> ↓	vertical tail	I	739
	fuselage cross section	J	801
	aft sidewall	K	1031
	wing lower surface (LT)	L	1087
	attach points	M	1253
	incidental orifices	N	1317

* The Fourth Character in each dataset identifier (i.e., REZLXX,L for wing lower surface) represents the individual component.

TABLE 1.

[illegible]

TEST: 0438 ARC 3.5-198

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 10-14-74

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS, (OR ALTERNATE INDEPENDENT VARIABLE)										TEST RUN NUMBERS				
		α	β	∂_c	∂_{SB}	∂_{BF}	RN/L		15	20	25	30	35	40	45	50							
RE2001	140C ORB		0	0	49	16.7	3.0	7.4			802-1		801-1	802-2	801-2								
2					49	16.7	6.5				803-1		804-1		805-15								
3					0	0	3.0				811-1	811-2	812-1	812-2	812-3								
4						0	6.5				810-1	809-1	808-1	807-1	806-1								
5					5		3.0				813-3		813-2		813-1								
6							6.5				814-1		815-1		816-1								
7							16.7	3.0			822-1		822-2		822-3								
8							16.7	6.5			821-1		820-1		817-1								
9							22.0	5.0			824-3	824-2	823-3	823-2	823-1								
10					5		22.0	6.5			829-1	828-1	827-1	826-1	825-1								
11					10		3.0				830-5		830-4		830-1								
12					-7		3.0				831-3	831-2	831-1	832-2	832-1								
13					-7		6.5				836-2	836-1	835-2	835-1	834-1								
14					-40		3.0				839-3		839-2		839-1								
15					0	-40	6.5				837-2		837-1		838-1								
16					-1	0	3.0				62-3	62-2	62-1	61-2	61-1								
17					-1	5	3.0	7.4			60-3		60-2		60-1								
RE2018	140C ORB		-1	0	0	0	1.7	10.4			866-2	866-1	864-3	864-2	864-1	865-2	865-3						

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CA

α OR β

SCHEDULES

COEFFICIENTS

ALPHA MACH

IDVAR (1) IDVAR (2) NDV

EACH NUMERICAL DATA SET CYCLES
THRU AN ALPHABETICAL DATA SET (A-N)
CORRESPONDING TO SECTION.

"800" RUNS ARE THE SECOND
DATA REDUCTION.

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR.

TEST: 0438 ARC 3.5-198

DATA SET/RUN NUMBER COLLATION SUMMARY

DATE: 10-14-74

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)											
		α	β	δ_e	δ_{SB}	δ_{BF}	RWL		15	20	25	30	35	40	45	50				
REZ019	140 C ORB		0	5	49	16.7	1.7	10.4			874-2	874-1	872-2	872-1	873-2	873-1				
20				0	0	0	1.7	10.4			869-2	869-1	868-2	868-1	867-2	867-1				
30				5	0	16.7	3.0	7.4			51-3	84-3		84-2	51-2	51-1	84-1			
31				5	0	16.7	6.5				52-2		52-1							
32				-40	0	0	3.0			89-3	51-3	79-3	59-2	59-1	79-1	79-2	89-1			
33				-40	0	0	6.5				55-2	90-2		90-1	55-1					
34				-7	0	-12	3.0			88-3	56-3	80-2	56-2	80-1	56-1	80-3	88-1			
35				0	49	16.7	3.0				57-2	58-1	57-3	57-2	57-1	59-1				
36				5	0	22	3.0			76-3		75-1	85-2			76-2	85-1			
37				5	0	22	6.5			77-2	77-1									
REZ038	140C ORB			7	0	-12	6.5				81-2	81-1								
YE2003	REPEAT of D/53			0	0	0	3.0				842-3	842-2	842-1	841-3	841-2	841-1	840-9			
4	D/54			0			6.5				846-1	845-2	845-1	844-2	843-2	844-1				
5	D/55			5			3.0				50-3		50-2	83-3	50-1	83-2	83-1			
6	D/56			5			6.5				82-2	91-2	82-1	91-1						
XE2011	D/511			10			3.0			86-2	53-3	86-1	53-2	87-3	53-1	87-2	87-1			
YE2003	D/5 XE2003			0			3.0				78-3		49-3	78-2	49-1	78-1				
YE2004	REPEAT of D/5 XE2004			0	0	0	6.5	7.4					48-3		48-2					

TEST RUN NUMBERS

1 7 13 19 25 31 37 43 49 55 61 67 75 76

CP ALPHA MACH

COEFFICIENTS

IDVAR (1) IDVAR (2) NDV

 α OR β
SCHEDULESX Repeat of R
Y Repeat of X*ALPHA VALUES IN DATA ≈ 320
DATA PROMOTED TO VALUES
INDICATED ON COLLATION SHEET.
A RUN HAS NO DATA.

NASA-MSC-MAF

TABLE III (MODEL DIMENSIONAL DATA)

MODEL COMPONENT	BODY - P61
GENERAL DESCRIPTION	The body is to the Baseline Definition Space Shuttle Vehicle Configuration 5 MCR 200 Rev 7 dated 10/17/74
MODEL SCALE	0.010
DRAWING NUMBER	VC70--0000002 MDV-70 Baseline IML

REF: Length OML X = 238 - 1528 3

DIMENSIONS	FULL SCALE	MODEL SCALE
Length OML $X_0 = 238-1528 \text{ 3}$	1290.3	12.903
Length (IML X = 230 5 -1528 3)		
OML Max Width ($X_0 = 1516.8013$) In	262.718	2.627
IML " " ($X_0 = 1516.8013$) In	260.718	2.607
OML Max Depth ($X_0 = 1463.316$) In	248.575	2.486
IML " " ($X_0 = 1463.316$) In	246.575	2.466
OMI Fineness Ratio	5.1365	5.1365
IMI " "	5.1525	5.1525
Area - ft ²		
Max. Cross-Sectional @ X 1463.316	340.82	0.0341
Planform		
Wetted		
Base		

TABLE III (CONT'D)

MODEL COMPONENT : CANOPY - C₁₄

GENERAL DESCRIPTION : The canopy is that part of the forward fuselage which covers the crew module. 1" thickness on the canopy.

Vehicle 5 configuration MCR 200 Rev. 7

MODEL SCALE: 0.010

DRAWING NUMBER: VI.70-000140C VC70-000002 MPV-70.

DIMENSIONS .	FULL SCALE	MODEL SCALE
Length (X_0 435.196 to 670 0)	<u>234.80</u>	<u>2.348</u>
Max Width (@ X_0 - 594 0)	<u>195.58</u>	<u>1.956</u>
Max Depth	<u> </u>	<u> </u>
Fineness Ratio	<u> </u>	<u> </u>
Area	<u> </u>	<u> </u>
Max. Cross-Sectional	<u> </u>	<u> </u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

WINDSHIELD PANELS.

$$\begin{aligned}
 .7012 X_0 - .2552 Y_0 - 6656 Z_0 - 6.1789 &= 0 \\
 .5710 X_0 - .5641 Y_0 - .5965 Z_0 + 32.7354 &= 0 \\
 .2636 X_0 - .7564 Y_0 - .5965 Z_0 \pm 189.4094 &= 0
 \end{aligned}$$

TABLE III (CONT'D)

MODEL COMPONENT: ELEVON - E54

GENERAL DESCRIPTION: Elevon for configuration 5, hingeline at $X_o = 1387$
Elevon split line $V_o = 312.5$ 6.0" gaps beveled edges, and centerbodies
OML used on W129 Ref MCR 200 Rev. 7 dated 10-17-74.

MODEL SCALE: 0.010

DRAWING NUMBER: VC70-000002A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area used for C_{Hc} computation	<u>210.0</u>	<u>0.0210</u>
Area - Ft^2	<u>206.57</u>	<u>0.0207</u>
Span (equivalent) In.	<u>346.44</u>	<u>3.464</u>
Inb'd equivalent chord In.	<u>116.50</u>	<u>1.165</u>
Outb'd equivalent chord In.	<u>55.219</u>	<u>0.552</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2137</u>	<u>0.2137</u>
At Outb'd equiv. chord	<u>0.3999</u>	<u>0.3999</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>- 10.056</u>	<u>-10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
(Product of area and \bar{r})		
Area Moment (Normal to hingeline) Ft^3	<u>1540.74</u>	<u>0.00154</u>
Mean Aerodynamic Chord In.	<u>89.50</u>	<u>0.895</u>

TABLE III (CONT'D)

MODEL COMPONENT: BODY FLAP - F₁₄GENERAL DESCRIPTION: Orbiter body flap Vehicle 5 configuration, MCR 200
Rev. 7 "OML" to be used with R₆₄. Hingeline X_o 1532.0, Y_o -1280.MODEL SCALE: 0.010DRAWING NUMBER: VC70-000002 and MDV-70

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Total Area - Ft ²	<u>133.875</u>	<u>0.0134</u>
Span (equivalent) In.	<u>238.000</u>	<u>2.380</u>
Inb'd equivalent chord In.	<u>81.00</u>	<u>0.810</u>
Outb'd equivalent chord In.	<u>81.00</u>	<u>0.810</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u> </u>	<u> </u>
At Outb'd equiv. chord	<u> </u>	<u> </u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>0.00</u>	<u>0.00</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
(MAC X TOTAL AREA) Ft ³		
Area Moment (Normal to hingeline)	<u>903.656</u>	<u>0.0009</u>
Mean aerodynamic chord In.	<u>81.0</u>	<u>0.810</u>

TABLE III (CONT'D)

MODEL COMPONENT : OMS PODS (OML) - M₁₀GENERAL DESCRIPTION : Vehicle 5 configuration, MCR 200, Rev. 7orbiter OMS pod - short podMODEL SCALE: 0.010DRAWING NUMBER : VC70-000002 VL70-008410 MDV-70

DIMENSIONS .	FULL SCALE	MODEL SCALE
Length ($X_0 1311$ to 1511), In.	<u>200.00</u>	<u>2.000</u>
Max Width ($X_0 305$, $X_0 1511$) In.	<u>135.75</u>	<u>1.358</u>
Max Depth ($X_0 304$ $X_0 1511$) In.	<u>74.50</u>	<u>0.745</u>
Fineness Ratio	<u>1.937</u>	<u>1.937</u>
Area - $F+2$	<u> </u>	<u> </u>
Max. Cross-Sectional @ $X_p 305$	<u>58.169</u>	<u>0.0058</u>
Planform	<u> </u>	<u> </u>
Wetted	<u> </u>	<u> </u>
Base	<u> </u>	<u> </u>

TABLE III (CONT'D)

MODEL COMPONENT: RUDDER - R18

GENERAL DESCRIPTION: The rudder is a secondary movable airfoil at the trailing edge of the vertical fin that imparts yaw forces. This dimensional data was calculated from the OML master dimensions 7-19-74.

MODEL SCALE: 0.010DRAWING NUMBER: Vehicle 5 Conf MCR 200, Rev. 7.

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - Ft ²	<u>97.838</u>	<u>0.0098</u>
Span (equivalent) , In.	<u>198.614</u>	<u>1.986</u>
Inb'd equivalent chord, In.	<u>91.07</u>	<u>0.911</u>
Outb'd equivalent chord , In.	<u>50.80</u>	<u>0.508</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.833</u>	<u>34.833</u>
Tailing Edge	<u>26.249</u>	<u>26.249</u>
Hingeline	<u>34.833</u>	<u>34.833</u>
Area Moment ^{Product of MAX x Area} (Normal to hinge line) Ft ³	<u>593.88</u>	<u>0.00059</u>
Mean Aerodynamic Chord, In.	<u>72.840</u>	<u>0.728</u>

TABLE III (CONT'D)

MODEL COMPONENT: VERTICAL - V₂₃

GENERAL DESCRIPTION: The vertical tail is double wedge shaped and mounted dorsally on the aft fuselage. These data correspond to the vehicle 5 configuration, MCR 200, Rev. 7.

MODEL SCALE: 0.010DRAWING NUMBER: VC70-000002 Master DimensionsDIMENSIONS: FULL SCALE MODEL SCALE

TOTAL DATA

Area (Theo) - Ft ²		
Planform	<u>413.253</u>	<u>0.0413</u>
Span (Theo) - In.	<u>315.72</u>	<u>3.157</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.404</u>	<u>0.404</u>
Sweep-Back Angles, Degrees.		
Leading Edge	<u>45.000</u>	<u>45.000</u>
Trailing Edge	<u>26.25</u>	<u>26.25</u>
0.25 Element Line	<u>41.13</u>	<u>14.13</u>
Chords:		
Root (Theo) WP	<u>268.50</u>	<u>2.685</u>
Tip (Theo) WP	<u>108.47</u>	<u>1.085</u>
MAC	<u>199.81</u>	<u>1.998</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>14.635</u>
W.P. of .25 MAC	<u>635.52</u>	<u>6.355</u>
B.L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle - Deg.	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle - Deg.	<u>14.92</u>	<u>14.92</u>
Leading Edge Radius	<u>2.00</u>	<u>0.020</u>
Void Area	<u>13.17</u>	<u>0.0013</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

TABLE III (CONL'D)

MODEL COMPONENT: WING-W₁₂₉

GENERAL DESCRIPTION: The wing is the primary lifting device and is mounted horizontally and is symmetric about the plane $Y_0 = 0$. A cuff fair the fuselage to the wing's leading edge @ $X_0 = 94.0$ to $X_0 = 1084.0$

MODEL SCALE: 0.010TEST NO. MCR 200, Rev. 7 10 '17 '74 Baseline Conf. 5. DWG. NO. VC70-000002

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
<u>TOTAL DATA</u>		
Area (Theo.) Ft^2		
Planform	<u>2690.00</u>	<u>0.2690</u>
Span (Theo) In.	<u>936.68</u>	<u>9.367</u>
Aspect Ratio	<u>2.265</u>	<u>2.265</u>
Rate of Taper	<u>1.1773</u>	<u>1.177</u>
Taper Ratio	<u>0.200</u>	<u>0.200</u>
Dihedral Angle, degrees	<u>3.500</u>	<u>3.500</u>
Incidence Angle, degrees	<u>0.500</u>	<u>0.500</u>
Aerodynamic Twist, degrees	<u>0.00</u>	<u>0.00</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.00</u>	<u>45.00</u>
Trailing Edge	<u>10.056</u>	<u>10.056</u>
0.25 Element Line	<u>35.209</u>	<u>35.209</u>
Chords:		
Root (Theo) B.P.O.O.	<u>689.243</u>	<u>6.892</u>
Tip, (Theo) B.P.	<u>137.849</u>	<u>1.379</u>
MAC	<u>474.812</u>	<u>4.748</u>
Fus. Sta. of .25 MAC	<u>1136.834</u>	<u>11.368</u>
W.P. of .25 MAC	<u>290.857</u>	<u>2.909</u>
B.L. of .25 MAC	<u>182.132</u>	<u>1.821</u>
<u>EXPOSED DATA</u>		
Area (Theo) Ft^2	<u>1751.50</u>	<u>0.1752</u>
Span, (Theo) In. BP108	<u>720.68</u>	<u>7.207</u>
Aspect Ratio	<u>2.060</u>	<u>2.060</u>
Taper Ratio	<u>0.2452</u>	<u>0.2452</u>
Chords		
Root BP108	<u>562.090</u>	<u>5.621</u>
Tip 1.00 $\frac{b}{2}$	<u>137.849</u>	<u>1.379</u>
MAC	<u>392.826</u>	<u>3.928</u>
Fus. Sta. of .25 MAC	<u>1186.50</u>	<u>11.865</u>
W.P. of .25 MAC	<u>293.683</u>	<u>2.937</u>
B.L. of .25 MAC	<u>251.769</u>	<u>2.518</u>
Airfoil Section (Rockwell Mod NASA)		
XXXX-64		
Root $\frac{b}{2}$	<u>0.1136</u>	<u>0.1136</u>
Tip $\frac{b}{2}$	<u>0.120</u>	<u>0.120</u>
Data for (1) of (2) Sides		
Leading Edge Cuff		
Planform Area Ft^2	<u>145.4</u>	<u>0.0145</u>
Leading Edge Intersects Fus M. L. @ Sta	<u>500.00</u>	<u>5.00</u>
Leading Edge Intersects Wing @ Sta	<u>1084.0</u>	<u>10.840</u>

TABLE IV
PRESSURE ORIFICE LOCATIONS

Bottom Q_L			Top Q_L		
No.	$\frac{X}{L}$	X_0	No.	$\frac{X}{L}$	X_0
1	.000	235.000	26	.010	247.933
2	.005	241.467	27	.030	273.799
3	.010	247.933	28	.060	312.595
4	.020	260.866	29	.080	336.464
5	.030	273.799	30	.100	364.330
6	.040	286.732	31	.130	403.129
7	.050	299.665	32	.160	441.928
8	.060	312.598	33	.170	454.861
9	.080	338.464	34	.180	467.794
10	.100	364.330	35	.190	480.727
11	.112	380.000	36	.200	493.660
12	.150	428.995	37	.250	558.325
13	.200	493.660	38	.300	622.990
14	.300	622.990	39	.500	881.650
15	.400	752.320	40	.600	1010.980
16	.500	881.650	41	.700	1140.310
17	.600	1010.980	42	.775	1237.307
18	.700	1140.310	43	.800	1269.640
19	.800	1269.640	44	.825	1301.973
20	.850	1334.305	WINDSHIELD		
21	.950	1463.635	No.	Column	Ray
22	.975	1495.968	45	3	1
23	1.004	1533.473	46	2	1
24	1.025	1560.633	47	1	1
25	1.050	1592.965	48	3	2
$X_0 = 235 + \frac{X}{L} (1293.3)$			49	2	2
			50	1	2
			51	3	3
			52	2	3
			53	1	3

TABLE IV. - PRESSURE ORIFICE LOCATIONS (Cont'd)
CROSS SECTIONS (Pilot Left)

No.	ϕ	$\frac{X}{L}$	X_0	No.	ϕ	$\frac{X}{L}$	X_0
54	19.5	.01	247.933	80	26	.30	622.99
55	10	.03	273.799	81	41	↓	↓
56	16	↓	↓	82	47.5	↓	↓
57	22	↓	↓	83	53.5	↓	↓
58	26	↓	↓	84	66.5	↓	↓
59	33.5	↓	↓	85	71	↓	↓
60	42.5	.05	229.665	86	76.5	↓	↓
61	53	.08	338.464	87	82.5	↓	↓
62	20	.10	364.330	88	122	↓	↓
63	26.5	↓	↓	89	145	↓	↓
64	32	↓	↓	90	81	.35	687.65
65	37	↓	↓	91	90	↓	↓
66	42.5	↓	↓	92	100.5	↓	↓
67	59	↓	↓	93	111	↓	↓
68	90	↓	↓	94	26	.40	752.320
69	90	.16	441.928	95	96	↓	↓
70	20	.20	493.660	96	109	↓	↓
71	35.5	↓	↓	97	122.5	↓	↓
72	39.5	↓	↓	98	95	.50	881.650
73	43.5	↓	↓	99	17	.60	1010.98
74	47.5	↓	↓	100	32	↓	↓
75	51.0	↓	↓	101	45	↓	↓
76	90	↓	↓	102	52	↓	↓
77	55.5	.25	558.325	103	66	↓	↓
78	57	↓	↓	104	75	↓	↓
79	95.5	↓	↓	105	85	↓	↓
				106	96	↓	↓
				107	122	↓	↓
				108	23.5	.80	1269.64
				109	56.5	.829	1307.1
				110	72.0	↓	↓
				111	90.0	↓	↓
				112	24	.9	1398.97
				113	24.5	.95	1463.635

TABLE IV. - PRESSURE ORIFICE LOCATIONS (Cont'd)

AFT Sidewall (Left)				Vertical Tail (Pilot Left)		
No.	Z_0	X/L	X_0	No.	Z/b_v	X/c_v
114	310	.916	1420.0	120	CNTR APU inlet	
115	↓	.932	1440.0	121	TAIL/BODY Fillet	.30
116	↓	.947	1460.0	122	" " "	.50
117	340	.916	1420.0	123	.15	L.E.
118	↓	.932	1440.0	124		.30
119	↓	.947	1460.0	125		.50
				126	.299	L.E.
				127		.30
				128		.90
				129	.532	L.E.
				130		.30
				131		.90
				132	.765	L.E.
				133		.30
				134		.50
				135		.75
				136		.90
				137	.905	L.E.

TABLE IV. - PRESSURE ORIFICE LOCATIONS
OMS Pod

<u>No.</u>	<u>ϕ</u>	<u>X/L</u>	<u>X_0</u>	<u>X/L OMS</u>
138	132	.832	1311	
139	132	.843	1325	
140	132	.862	1350	
141	132.5	.901	1400	
142	132.0	.978	1500	
143	114.2	.843	1325	
144	114.7	.862	1350	
145	113.2	.901	1400	
146	113.6	.978	1500	
147	Center	RCS Package		
148	105	.862	1350	
149	102.7	.901	1400	
150	103.2	.978	1500	
151	Bottom of RCS	Package		
152	149.2	.862	1350	
153	151.2	.901	1400	
154	149.5	.978	1500	
155	See Figure 2			
157	See Figure 2			
156,158	No Orifice			

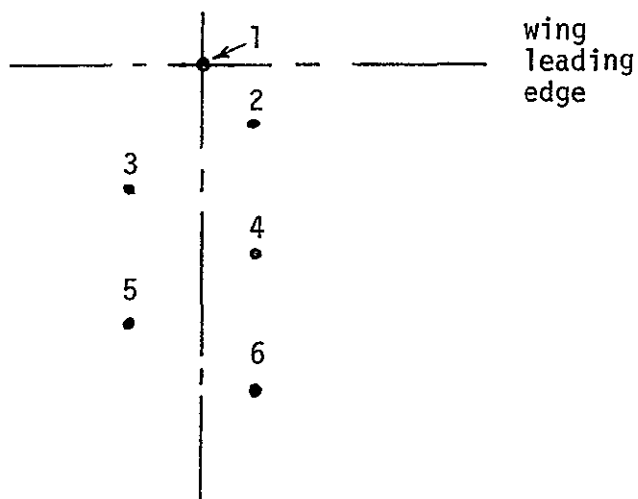
TABLE IV. - PRESSURE ORIFICE LOCATIONS (Continued)

Left Lower Wing

No.	2Y/b	X/C	No.	2Y/b	X/C
159	.25	.025	199-204 Cluster C		
160		.050	(See Chart Below)		
270		.075	205	.55	.10
161		.176	206-211 Cluster D		
162		.318	(See Chart Below)		
163		.459			
164		.601	212	.60	.10
165		.743	213		.30
166		.849	214		.45
167		.955	215		.60
168-173 Cluster A			216		.698
(See Chart Below)			217		.809
174	.34803	L.E.	218		.90
175-180 Cluster B			219		.95
(See Chart Below)			220	.75	L.E.
181	.40	.025	221		30° down
182		.043	222		.10
183		.20	223		.30
184		.30	224		.652
185		.60	225		.797
186		.70	226-231 Cluster E		
187		.751	(See Chart Below)		
188		.831	232	.85	.10
189		.90	233		.30
190		.95	234		.602
191	.50	L.E.	235		.784
192		30° down	236	.95	.10
271		.05	237		.30
193		.10	238		.497
194		.30	239		.751
195		.45	240	1.0	.60
196		.60			
197		.718			
198		.814			

TABLE IV. - Continued

Wing L. E. Clusters



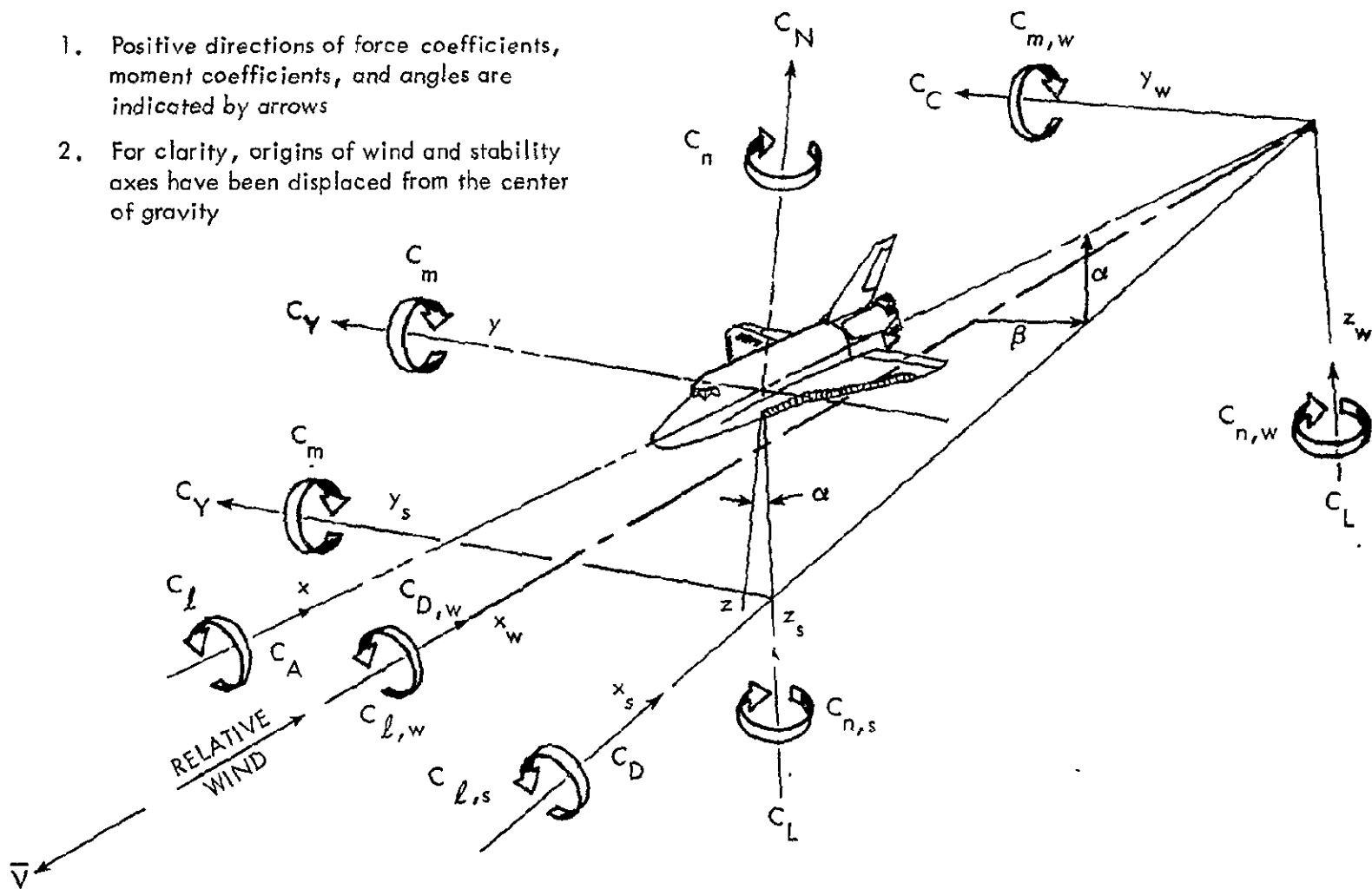
Cluster	2Y/b	Position					
		1	2	3	4	5	6
A	.30106	168	169	170	171	172	173
B	.40	175	176	177	178	179	180
C	.55	199	200	201	202	203	204
D	.60	206	207	208	209	210	211
E	.85	226	227	228	229	230	231

TABLE IV. - PRESSURE ORIFICE LOCATIONS - (Concluded)

Right Upper Wing			ET ATTACH & LOX LINE ATTACH		
No.	2Y/b	X/C	No.	X _o	Y _o
241	.30	.826	264	1293.2	.70
242	.30	.878	265	1306.1	↓
243	.40	.025	266	1319.0	↓
244	↓	.200	267	1287.2	.965
245	↓	—	268	1300.1	↓
246	↓	.752	269	1313.0	↓
247	↓	.831			
248	.60	.05			
249	↓	.20			
250	↓	.60			
251	↓	.698			
252	↓	.809			
253	↓	.90			
254	↓	.95			
255	.80	.05			
256	↓	.20			
257	↓	.60			
258	↓	.631			
259	↓	.791			
260	.95	.10			
261	↓	.40			
262	↓	.497			
263	↓	.751			

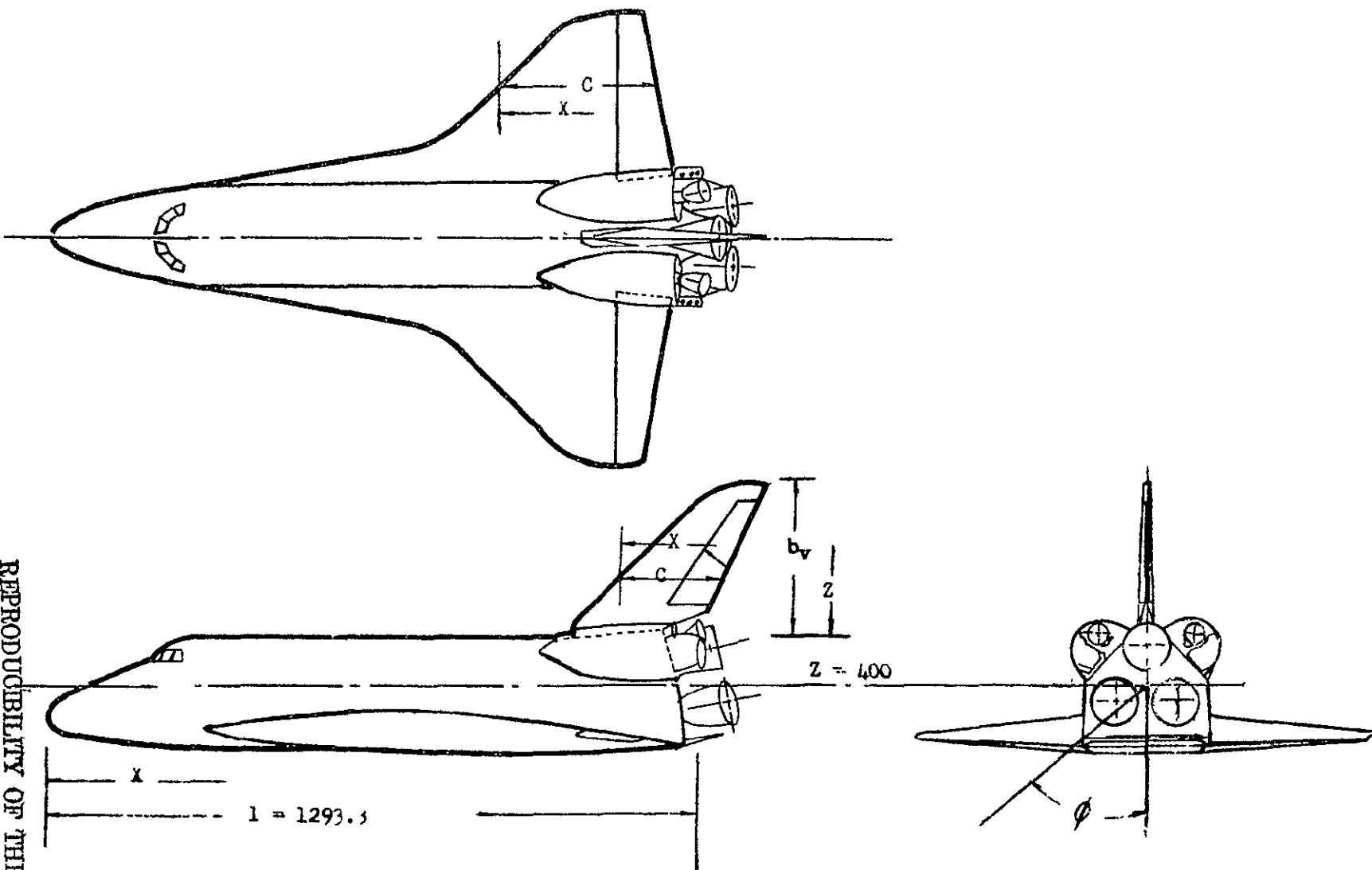
Notes

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



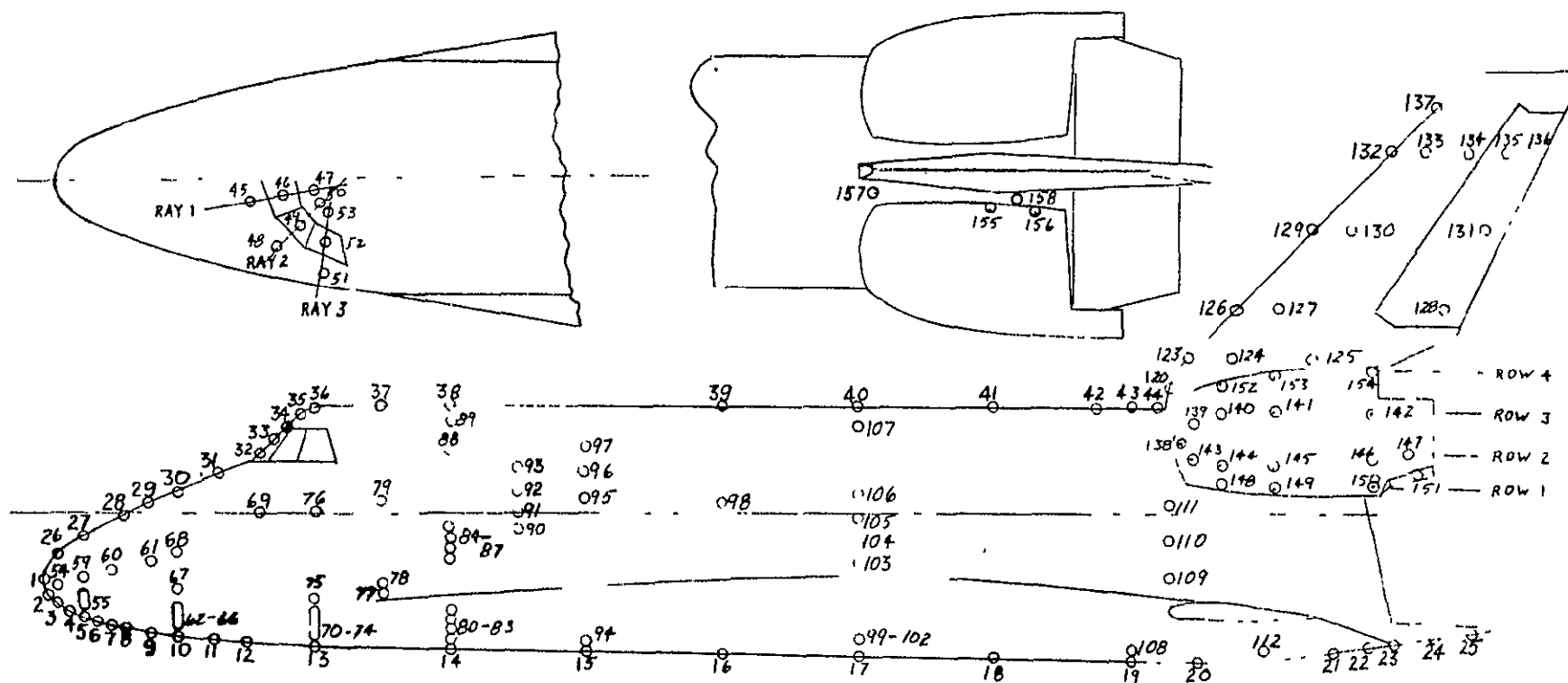
a. General

Figure 1. - Axis systems.



b. Instrumentation Location Definitions

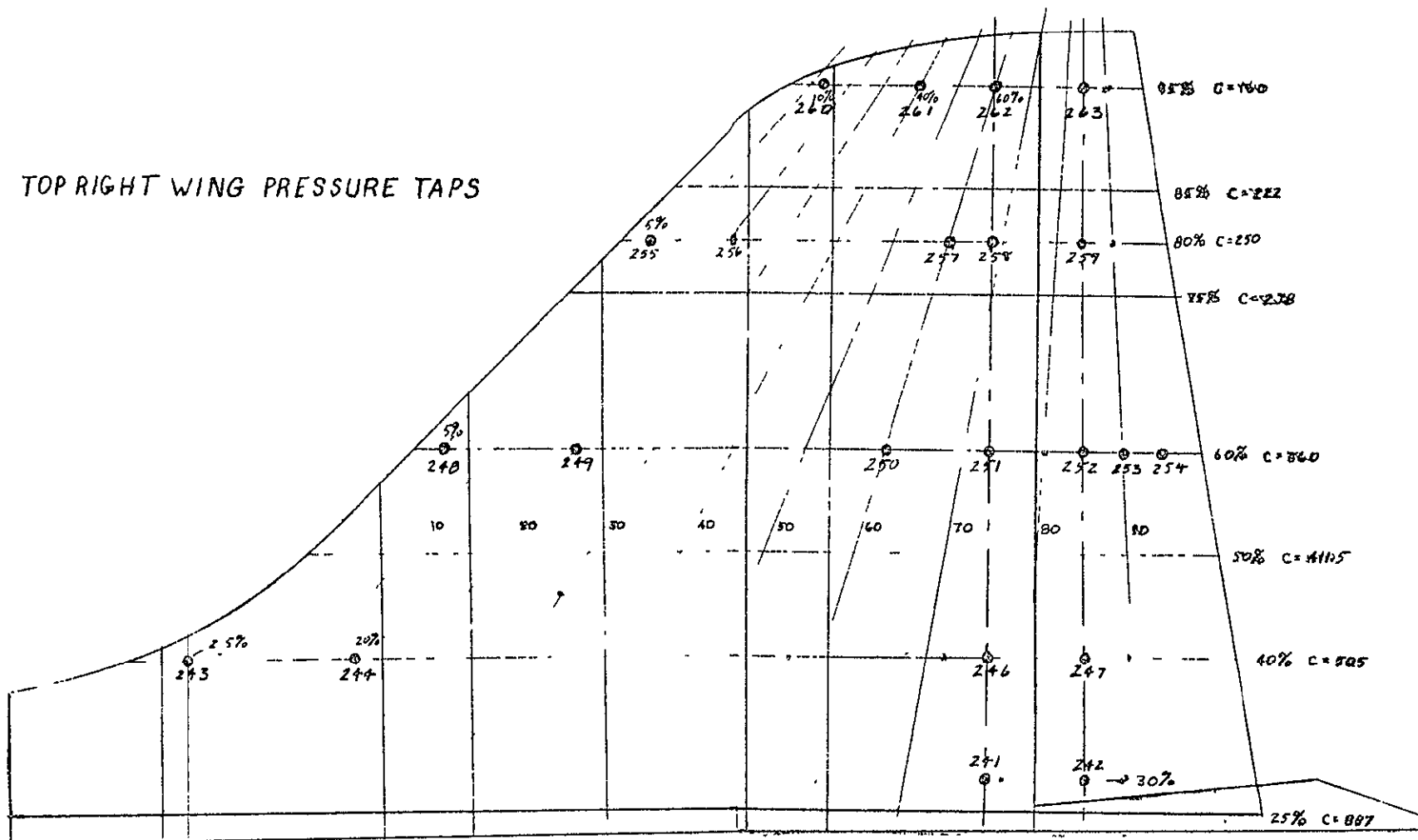
Figure 1. - Concluded.



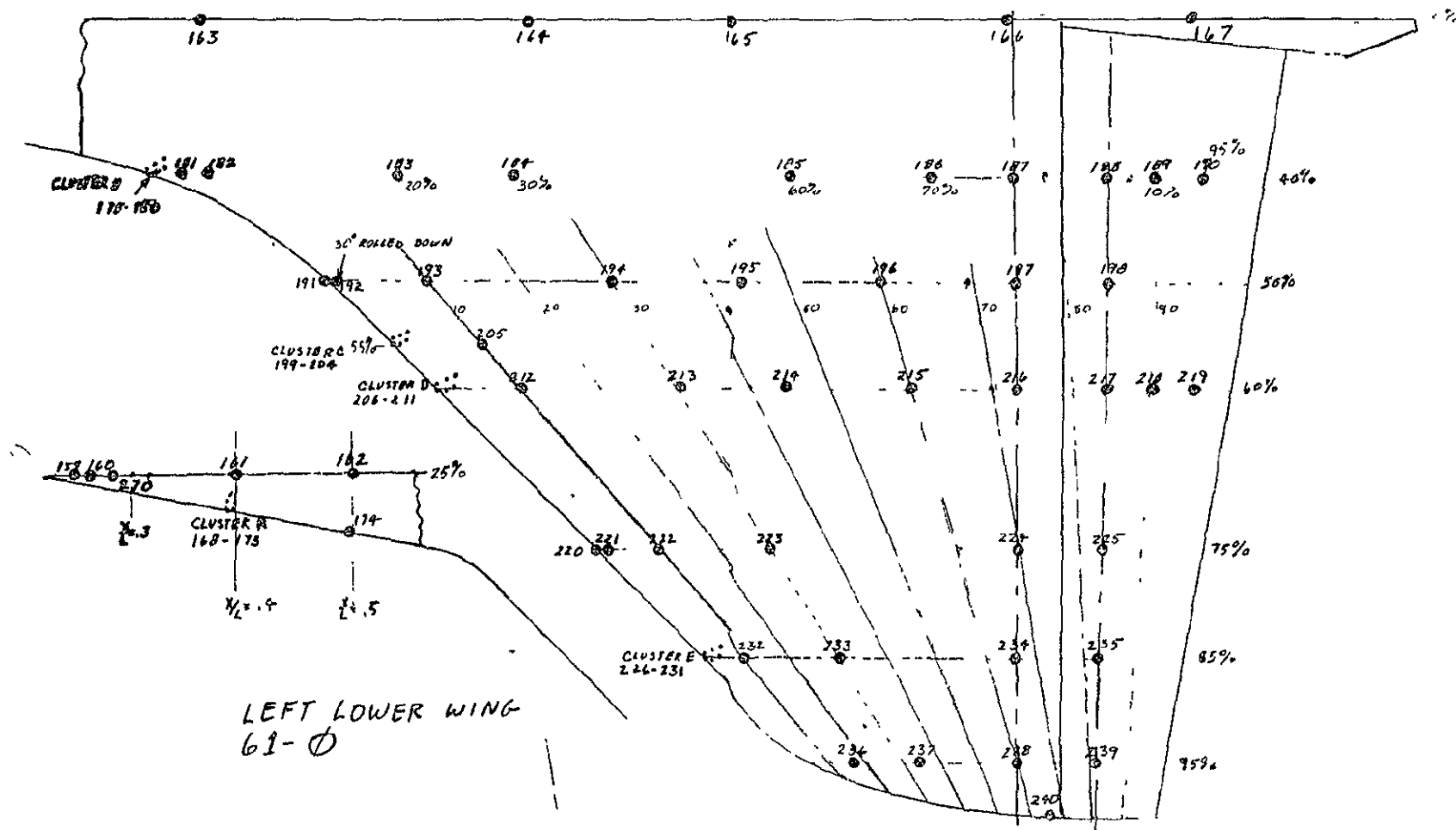
a. Fuselage and Vertical Tail

Figure 2. - 61-0 pressure orifice locations.

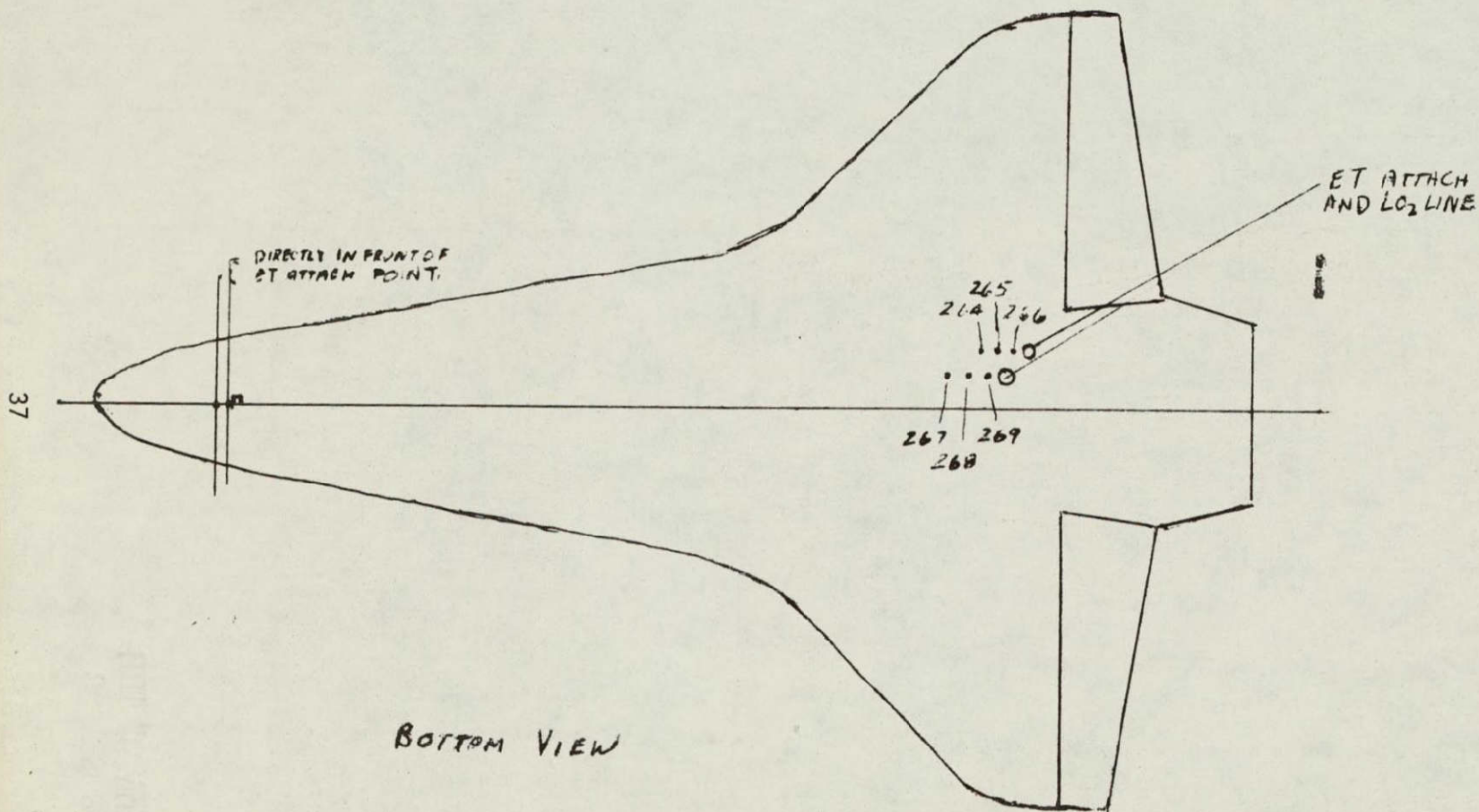
TOP RIGHT WING PRESSURE TAPS



b. Top Right Wing



c. Left Lower Wing
Figure 2. - Continued.



d. Attach Points
Figure 2. - Concluded.

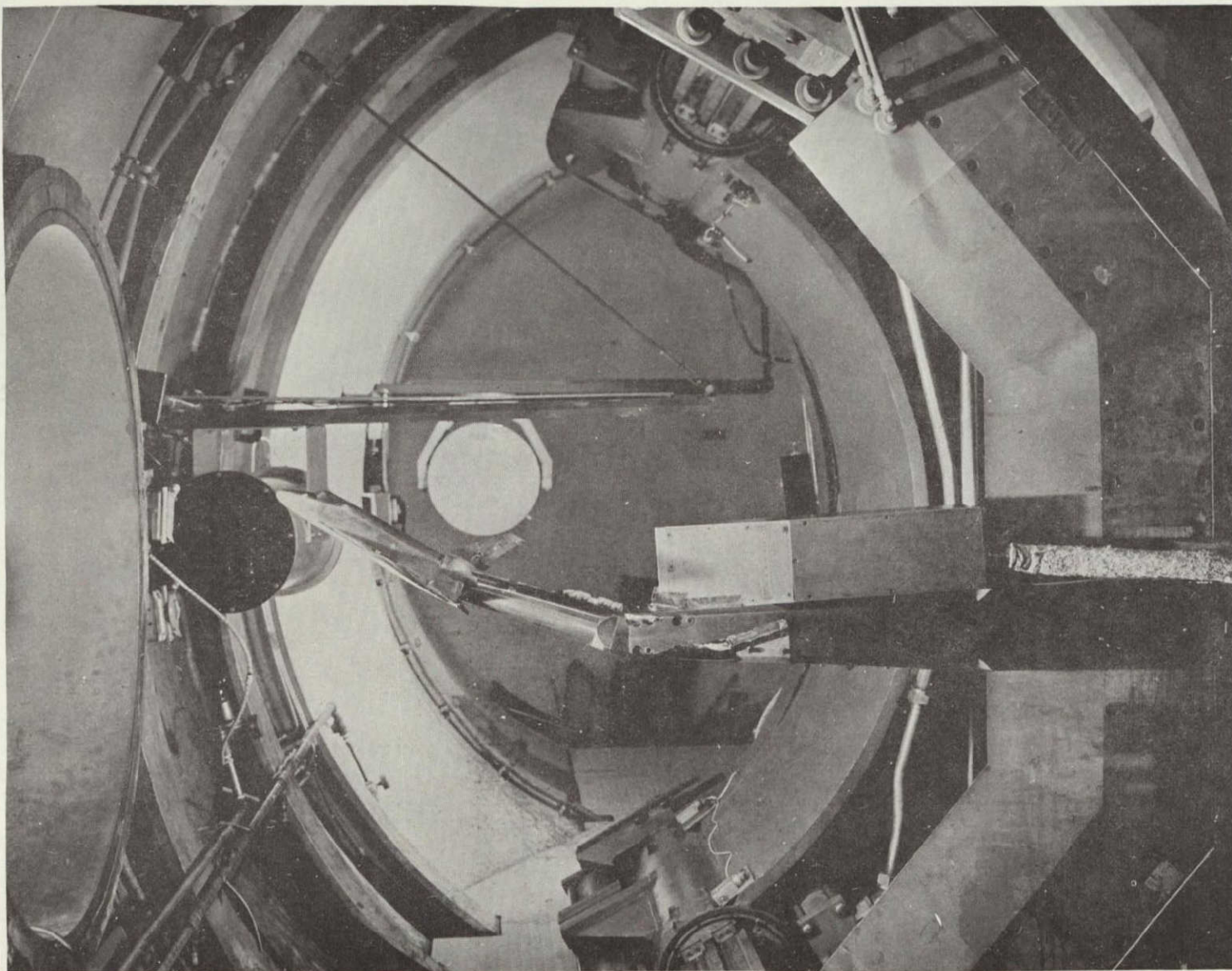


Figure 3. - Model installation photograph.

APPENDIX
TABULATED SOURCE DATA
VOLUME 2 Pages 1-738

Tabulations of plotted data are available on request from
Data Management Services.

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 1

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. ~~XM~~MRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = ~~.0000~~ ELEV-L = .117
ELEV-R = .000 SPOBRK = 41.533
BDFLAP = 15.567 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5078
.005 1.4796
.010 1.2424
.020 .9346
.030 .8085
.040 .6506
.050 .5311
.060 .4292
.080 .4224
.100 .3828
.112 .3761
.150 .3054
.200 .2776
.300 .2253
.400 .2427
.500 .2574
.600 .2611
.700 .2633
.800 .2468
.850 .2131
.950 .1842
.975 .1898
1.004 .0357
1.025 .2203
1.050 .3818

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.1596
.005 1.6747
.010 1.5248
.020 1.2754
.030 1.1513

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 2

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA01)

ALPHA (2) = 29.899 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.9728
.050	.8420
.060	.6965
.080	.7398
.100	.7386
.112	.6812
.150	.5766
.200	.5582
.300	.5715
.400	.5875
.500	.6026
.600	.6201
.700	.6131
.800	.5765
.850	.5004
.950	.4289
.975	.4355
1.004	.0586
1.025	.5900
1.050	.9417

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.0000
.005	1.7349
.010	1.6409
.020	1.4316
.030	1.3192
.040	1.1433
.050	1.0425
.060	.8939
.080	.9409
.100	.8761
.112	.8331
.150	.7201
.200	.0000
.300	.6327
.400	.6522
.500	.6703
.600	.6834

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 3

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA01)

ALPHA (3) = 35.065 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.7072
.800	.6643
.850	.5867
.950	.5110
.975	.5193
1.004	.0685
1.025	.8376
1.050	1.1322

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG - 1.8305

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.0006
.005	1.9665
.010	2.0469
.020	1.8684
.030	1.7590
.040	1.5814
.050	1.5188
.060	1.3380
.080	1.4118
.100	1.3460
.112	1.2671
.150	1.1943
.200	.9220
.300	.8846
.400	.8801
.500	.9011
.600	.9053
.700	.9294
.800	.8789
.850	.7895
.950	.6395
.975	.7058
1.004	.0795
1.025	1.2020
1.050	1.3689

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 4

ARC 3.5-198 OH38 140C 0RB BOTTOM CENTER LINE

(REZA02) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15 667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5329
.005 .0000
.010 .0000
.020 .9671
.030 .8473
.040 .8743
.050 .5711
.060 .4724
.080 .4588
.100 .4126
.112 .3810
.150 .4007
.200 .2759
.300 .2662
.400 .2616
.500 .2725
.600 .2861
.700 .2821
.800 .2596
.850 .2161
.950 .1262
.975 .1167
1.004 .0151
1.025 .4090
1.050 .4984

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.1713
.005 1.7201
.010 1.5822
.020 1.3034
.030 1.2110

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 5

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA02)

ALPHA (2) = 30.030 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0423
.050	.9158
.060	.7687
.080	.7998
.100	.7585
.112	.7145
.150	.6207
.200	.5874
.300	.5045
.400	.5235
.500	.5367
.600	.5534
.700	.5781
.800	.5331
.850	.4561
.950	.2966
.975	.2826
1.004	.0355
1.025	.8416
1.050	.9190

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8370
.005	1.8624
.010	1.8311
.020	1.6245
.030	1.5914
.040	1.4645
.050	1.3522
.060	1.1532
.080	1.2496
.100	1.1767
.112	1.1176
.150	1.0131
.200	.9447
.300	.8450
.400	.8692
.500	.8549
.600	.8847

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 6

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA02)

ALPHA (3) = 39.697 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.9100
.800	.8875
.850	.7910
.950	.5757
.975	.5568
1.004	.0557
1.025	.0000
1.050	.0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 7

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5699
.005 1.5278
.010 1.2512
.020 .8114
.030 .8619
.040 .7174
.050 .5912
.060 .5050
.080 .4799
.100 .4336
.112 .4047
.150 .3333
.200 .2701
.300 .2007
.400 .2098
.500 .2212
.600 .2266
.700 .2261
.800 .2095
.850 .1781
.950 .1149
.975 .1167
1.004 .0312
1.025 .1084
1.050 .1076

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.4093
.005 1.6529
.010 1.4040
.020 .9875
.030 1.0560

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 8

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA03)

ALPHA (2) = 24.999 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8925
.050	.7608
.060	.6612
.080	.5463
.100	.5908
.112	.5594
.150	.4709
.200	.4012
.300	.2562
.400	.2669
.500	.2767
.600	.2831
.700	.2828
.800	.2648
.850	.2261
.950	.1476
.975	.1512
1.004	.0311
1.025	.1477
1.050	.1465

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.2652
.005	1.7630
.010	1.5333
.020	1.1809
.030	1.2302
.040	1.0592
.050	.9301
.060	.8149
.080	.8200
.100	.7617
.112	.7230
.150	.6243
.200	.5462
.300	.3260
.400	.3473
.500	.3574
.600	.3767

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 9

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA03)

ALPHA (3) = 29.791 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE ~~CP~~ DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.3883
.800	.3640
.850	.2987
.950	.1989
.975	.1988
1.004	.0449
1.025	.1986
1.050	.1958

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.0563
.005	1.8133
.010	1.6464
.020	1.3297
.030	1.3895
.040	1.2285
.050	1.1119
.060	.9714
.080	1.0097
.100	.9464
.112	.9101
.150	.7967
.200	.7223
.300	.5140
.400	.5824
.500	.6137
.600	.6377
.700	.6644
.800	.6216
.850	.5410
.950	.3627
.975	.3584
1.004	.0528
1.025	.2603
1.050	.2651

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 10

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA03)

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8657
.005	1.8488
.010	1.7113
.020	1.2832
.030	1.5319
.040	1.3831
.050	1.2924
.060	1.1338
.080	1.2002
.100	1.1206
.112	1.0713
.150	.9754
.200	.9022
.300	.7507
.400	.7750
.500	.8020
.600	.8140
.700	.8402
.800	.7834
.850	.6977
.950	.5126
.975	.5256
1.004	.7653
1.025	.3913
1.050	.4421

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 11

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA04) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5307
.005 1.5105
.010 1.2169
.020 .8484
.030 .8465
.040 .7042
.050 .5757
.060 .4867
.080 .4658
.100 .4196
.112 .3902
.150 .3196
.200 .2708
.300 .1931
.400 .2179
.500 .2449
.600 .2664
.700 .2688
.800 .2471
.850 .2036
.950 .1046
.975 .0988
1.004 .0049
1.025 .0958
1.050 .0896

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3252
.005 1.6257
.010 1.3685
.020 .9706
.030 1.0519

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 12

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA04)

ALPHA (2) = 25.260 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8869
.050	.7591
.060	.6416
.080	.6458
.100	.6013
.112	.5645
.150	.4793
.200	.0608
.300	.3085
.400	.3770
.500	.3951
.600	.4202
.700	.4342
.800	.4006
.850	.3325
.950	.2056
.975	.1887
1.004	.0090
1.025	.1289
1.050	.1302

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.1580
.005	1.7200
.010	1.4915
.020	1.1286
.030	1.2234
.040	1.0489
.050	.9197
.060	.7706
.080	.8115
.100	.7607
.112	.7176
.150	.6254
.200	.0674
.300	.4993
.400	.5328
.500	.5454
.600	.5650

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 13

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA04)

ALPHA (3) = 29.923 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.5925
.800	.5496
.850	.4723
.950	.3117
.975	.2959
1.004	.0190
1.025	.2417
1.050	.2543

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9192
.005	1.7614
.010	1.5676
.020	1.2247
.030	1.3430
.040	1.1727
.050	1.0619
.060	.8665
.080	.9553
.100	.9014
.112	.8483
.150	.7422
.200	.7581
.300	.6845
.400	.7016
.500	.7088
.600	.7340
.700	.7584
.800	.7334
.850	.6361
.950	.4437
.975	.4245
1.004	.0091
1.025	.4037
1.050	.3933

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 14

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA04)

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7822
.005	1.7929
.010	1.6572
.020	1.3821
.030	1.5202
.040	1.3879
.050	1.2968
.060	1.0869
.080	1.1865
.100	1.1179
.112	1.0567
.150	.9644
.200	.9361
.300	.8532
.400	.8769
.500	.8701
.600	.9039
.700	.9302
.800	.9100
.850	.8091
.950	.5899
.975	.5708
1.004	.0139
1.025	.5413
1.050	.5307

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 15

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. ~~XMRP~~ = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA ~~.0000~~ ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.2488
 .005 1.7650
 .010 1.5657
 .020 1.0568
 .030 1.2514
 .040 1.0887
 .050 .9585
 .060 .8271
 .080 .8548
 .100 .7885
 .112 .7586
 .150 .6563
 .200 .2718
 .300 .3320
 .400 .4185
 .500 .5078
 .600 .5367
 .700 .5401
 .800 .5091
 .850 .4357
 .950 .2629
 .975 .2448
 1.004 .0630
 1.025 .1996
 1.050 .1959

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5435
 .005 1.5294
 .010 1.2418
 .020 .6852
 .030 .8732

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 16

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA05)

ALPHA (2) = 19.688 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.7313
.050	.6183
.060	.5112
.080	.5062
.100	.4532
.112	.4271
.150	.3575
.200	.2677
.300	.1814
.400	.1878
.500	.1969
.600	.1936
.700	.1978
.800	.1866
.850	.1623
.950	.1193
.975	.1158
1.004	.0566
1.025	.1177
1.050	.1126

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8781
.005	1.8494
.010	1.7520
.020	1.3673
.030	1.5216
.040	1.3871
.050	1.2801
.060	1.1719
.080	1.1876
.100	1.1092
.112	1.0649
.150	.9644
.200	.8946
.300	.4556
.400	.6033
.500	.7518
.600	.8112

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 17

ARC 3.5-198 OH38 1400 ORB BOTTOM CENTER LINE

(REZA05)

ALPHA (3) = 39.579 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE ~~-----~~ DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.8455
.800	.8063
.850	.7158
.950	.5364
.975	.5420
1.004	.0814
1.025	.3035
1.050	.3362

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 18

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5498
.005 1.5341
.010 1.2436
.020 .8174
.030 .8655
.040 .7133
.050 .5945
.060 .5045
.080 .4756
.100 .4274
.112 .4006
.150 .3307
.200 .2685
.300 .1387
.400 .1473
.500 .1738
.600 .2329
.700 .2567
.800 .2492
.850 .1953
.950 .0888
.975 .0764
1.004 .0209
1.025 .0741
1.050 .0735

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.1494
.005 1.6685
.010 1.4533
.020 1.0821
.030 1.1672

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA06)

ALPHA (2) = 29.831 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.9852
.050	.8593
.060	.7344
.080	.7588
.100	.7008
.112	.6646
.150	.5676
.200	.5590
.300	.4752
.400	.5040
.500	.5324
.600	.5376
.700	.5600
.800	.5237
.850	.4496
.950	.2880
.975	.2755
1.004	.0117
1.025	.1947
1.050	.2362

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7368
.005	1.7609
.010	1.6490
.020	1.3617
.030	1.4917
.040	1.3520
.050	1.2547
.060	1.0820
.080	1.1660
.100	1.0826
.112	1.0333
.150	.9269
.200	.9272
.300	.8538
.400	.8764
.500	.8751
.600	.8946

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 20

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA06)

ALPHA (3) = 40.016 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.9100
.800	.8778
.850	.7791
.950	.5810
.975	.5657
1.004	.0416
1.025	.5404
1.050	.5455

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 21

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.597 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5536
.005 1.5735
.010 1.2800
.020 .7020
.030 .9069
.040 .7500
.050 6310
.060 .5396
.080 .5234
.100 .4704
.112 .4433
.150 .3696
.200 .2702
.300 .1970
.400 .2258
.500 .2739
.600 .2926
.700 .2995
.800 .2828
.850 .2351
.950 .2079
.975 .2060
1.004 .0718
1.025 .1709
1.050 .3049

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000 -1.2626
.005 1.7806
.010 1.5710
.020 1.0588
.030 1.2729

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 22

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA07)

ALPHA (2) = 29.758 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0926
.050	.9632
.060	.8648
.080	.8579
.100	.7955
.112	.7565
.150	.6565
.200	.5566
.300	.5283
.400	.5686
.500	.5863
.600	.5939
.700	.6107
.800	.5703
.850	.4953
.950	.4457
.975	.4477
1.004	.0798
1.025	.5486
1.050	.8866

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8742
.005	1.8733
.010	1.7758
.020	1.3839
.030	1.5657
.040	1.4114
.050	1.3141
.060	1.2223
.080	1.2205
.100	1.1334
.112	1.0942
.150	.9888
.200	.9089
.300	.8570
.400	.8685
.500	.8995
.600	.9125

4

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 23

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA07)

ALPHA (3) = 39.985 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE ~~LINE~~ DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.9435
.800	.9020
.850	.8019
.950	.7047
.975	.7209
1.004	.0972
1.025	1.2658
1.050	1.3996

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 24

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA08) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15 667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5284
.005 1.5290
.010 1.2404
.020 .7947
.030 .8656
.040 .7064
.050 .5806
.060 .5025
.080 .4708
.100 .4185
.112 .3892
.150 .3192
.200 .2702
.300 .1026
.400 .1066
.500 .1104
.600 .1192
.700 .1192
.800 .1079
.850 .0851
.950 .0565
.975 .0621
1.004 .0063
1.025 .1399
1.050 .4570

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.2008
.005 1.7470
.010 1.5240
.020 1.1528
.030 1.2356

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 25

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA08)

ALPHA (2) = ~~29.917~~ MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0571
.050	.9252
.060	.8059
.080	.8266
.100	.7608
.112	.7330
.150	.6273
.200	.5681
.300	.2221
.400	.2439
.500	.2919
.600	.5348
.700	.5877
.800	.5553
.850	.4706
.950	.3064
.975	.2833
1.004	.0297
1.025	.8600
1.050	.9298

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7706
.005	1.7962
.010	1.6697
.020	1.3912
.030	1.5237
.040	1.3865
.050	1.2894
.060	1.1245
.080	1.1937
.100	1.1148
.112	1.0657
.150	.9576
.200	.9346
.300	.8592
.400	.8847
.500	.8818
.600	.8952

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 26

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA08)

ALPHA (3) = 40.015 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.700 .9117

.800 .8946

.850 .7848

.950 .5796

.975 .5649

1.004 .0000

1.025 .9220

1.050 .9209

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 27

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA09) (23 SEP 74)

REFERENCE DATA -

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5981
.005 1.5962
.010 1.3166
.020 .7653
.030 .9140
.040 .7601
.050 .6352
.060 .5610
.080 .5240
.100 .4728
.112 .4438
.150 .3713
.200 .2829
.300 .2165
.400 .2531
.500 .2939
.600 .3115
.700 .3135
.800 .2962
.850 .2480
.950 .2449
.975 .2486
1.004 .1020
1.025 .2548
1.050 .7005

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.4588
.005 1.7234
.010 1.4747
.020 .9602
.030 1.1024

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 29

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA09)

ALPHA (2) = 24.974 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.9301
.050	.7956
.060	.7174
.080	.6621
.100	.6250
.112	.5905
.150	.5004
.200	.4090
.300	.2803
.400	.3954
.500	.4354
.600	.4588
.700	.4622
.800	.4332
.850	.3729
.950	.3532
.975	.3577
1.004	.0935
1.025	.5008
1.050	1.1533

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.2043
.005	1.7449
.010	1.5367
.020	.9909
.030	1.2246
.040	1.0467
.050	.9187
.060	.8038
.080	.8171
.100	.7549
.112	.7178
.150	.0000
.200	.5641
.300	.4983
.400	.5276
.500	.5419
.600	.5525

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 29

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA09)

ALPHA (3) = 29.770 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE ~~XXXXXXXXXX~~ DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.5647
.800	.5217
.850	.4525
.950	.4278
.975	.4352
1.004	.2040
1.025	.6939
1.050	1.3260

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.0170
.005	1.8049
.010	1.6510
.020	1.1713
.030	1.3827
.040	1.2108
.050	.0000
.060	.9839
.080	1.0054
.100	.9338
.112	.8928
.150	.7814
.200	.7436
.300	.6690
.400	.6821
.500	.7018
.600	.7089
.700	.7243
.800	.6794
.850	.5961
.950	.5578
.975	.5702
1.004	.2343
1.025	1.1368
1.050	1.5534

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 30

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA09)

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8301
.005	1.8360
.010	1.7435
.020	1.3488
.030	1.5204
.040	1.3738
.050	1.2699
.060	1.1826
.080	1.1818
.100	1.0968
.112	1.0516
.150	.9486
.200	.9197
.300	.8119
.400	.8283
.500	.8526
.600	.8672
.700	.8970
.800	.8502
.850	.7519
.950	.7002
.975	.7374
1.004	.1342
1.025	1.4849
1.050	1.7749

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 31

ARC 3.5-198 OH38 1400 ORB BOTTOM CENTER LINE

(REZA10) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5204
.005 1.5310
.010 1.2692
.020 .9755
.030 .8760
.040 .7155
.050 .5973
.060 .4888
.080 .4801
.100 .4347
.112 .4095
.150 .3353
.200 .2789
.300 .1450
.400 .1385
.500 .1502
.600 .1608
.700 .1626
.800 .1548
.850 .1168
.950 .0753
.975 .0739
1.004 .0313
1.025 .6536
1.050 .8814

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3530
.005 1.6488
.010 1.4127
.020 1.1546
.030 1.0688

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 32

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA10)

ALPHA (2) = 24.900 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8903
.050	.7666
.060	.6358
.080	.6493
.100	.6027
.112	.5690
.150	.4769
.200	.4087
.300	.3562
.400	.3930
.500	.4173
.600	.4343
.700	.4381
.800	.4089
.850	.3472
.950	.2066
.975	.1973
1.004	.0462
1.025	.9776
1.050	1.1475

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.1944
.005	1.7371
.010	1.5275
.020	1.1576
.030	1.2227
.040	1.0360
.050	.9201
.060	.8152
.080	.8148
.100	.7570
.112	.7183
.150	.6156
.200	.5642
.300	.5597
.400	.5650
.500	.5952
.600	.5896

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 33

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA10)

ALPHA (3) = 29.722 MACH ~~(3.5)~~ 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.6142
.800	.5764
.850	.4903
.950	.3281
.975	.3245
1.004	.0521
1.025	1.2339
1.050	1.3611

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9955
.005	1.8109
.010	1.6483
.020	1.3141
.030	1.3924
.040	1.2230
.050	1.1160
.060	.9747
.080	1.0189
.100	.9599
.112	.9010
.150	.7889
.200	.7514
.300	.7107
.400	.7234
.500	.7373
.600	.7415
.700	.7604
.800	.7301
.850	.6357
.950	.4471
.975	.4352
1.004	.1075
1.025	1.4096
1.050	.0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 34

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA10)

ALPHA (S) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7828
.005	1.8172
.010	1.7169
.020	1.4485
.030	1.5419
.040	1.3979
.050	1.3007
.060	1.1887
.080	1.2103
.100	1.1247
.112	1.0783
.150	.9706
.200	.9218
.300	.8678
.400	.8786
.500	.8875
.600	.8936
.700	.9173
.800	.8874
.850	.7785
.950	.5776
.975	.5732
1.004	.1303
1.025	.0000
1.050	.0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 35

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA11) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5144
.005 1.5112
.010 1.2522
.020 .9601
.030 .8603
.040 .7049
.050 .6927
.060 .4679
.080 .4830
.100 .4331
.112 .4061
.150 .3343
.200 .2684
.300 .1207
.400 .1237
.500 .1337
.600 .1350
.700 .1332
.800 .1274
.850 .1092
.950 .0705
.975 .0745
1.004 .0258
1.025 .0711
1.050 .0685

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL 0000

X/L

.000 1.1997
.005 1.7377
.010 1.5471
.020 1.3269
.030 1.2270

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 36

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA11)

ALPHA (2) = 29.598 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0436
.050	.9217
.060	.7807
.080	.8159
.100	.7579
.112	.7204
.150	.6166
.200	.5486
.300	.2490
.400	.2609
.500	.2673
.600	.2796
.700	.2874
.800	.2634
.850	.2222
.950	.1441
.975	.1523
1.004	.0300
1.025	.1473
1.050	.1481

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8181
.005	1.8433
.010	1.7579
.020	1.6321
.030	1.5234
.040	1.3699
.050	1.2792
.060	1.1384
.080	1.1735
.100	1.1051
.112	1.0567
.150	.9489
.200	.9061
.300	.7631
.400	.7928
.500	.8169
.600	.8440

DATE 14 NOV 75

TABULATED SOURCE DATA 0H38 (ARC 3.5-198)

PAGE 37

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE

(REZA11)

ALPHA (3) = 39.968 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE ~~XXXXXXXXXX~~ DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.8752
.800	.8295
.850	.7346
.950	.5375
.975	.5620
1.004	.0545
1.025	.3054
1.050	.3240

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 38

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5504
.005 1.5382
.010 1.2813
.020 .9799
.030 .8691
.040 .7127
.050 .5958
.060 .4887
.080 .4833
.100 .4330
.112 .4038
.150 .3324
.200 .2761
.300 .1215
.400 .1293
.500 .1369
.600 .1382
.700 .1412
.800 .1268
.850 .1106
.950 .0697
.975 .0655
1.004 .0286
1.025 .0320
1.050 .0301

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000 .0000
.005 .0000
.010 .0000
.020 .0000
.030 .0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 39

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA12)

ALPHA (2) = 24.857 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.040	.0000
.050	.0000
.060	.0000
.080	.0000
.100	.0000
.112	.0000
.150	.4630
.200	.0000
.300	.1873
.400	.1912
.500	.1960
.600	.2033
.700	.1988
.800	.1846
.850	.1564
.950	.0968
.975	.0983
1.004	.0147
1.025	.0333
1.050	.0317

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	1.2527
.005	1.7639
.010	1.5787
.020	1.3406
.030	1.2254
.040	1.0414
.050	.9149
.060	.7945
.080	.8072
.100	.7465
.112	.7092
.150	.6076
.200	.5492
.300	.2782
.400	.2805
.500	.2834
.600	.2909

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 40

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA12)

ALPHA (3) = 29.654 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.2942
.800	.2752
.850	.2182
.950	.1504
.975	.1473
1.004	.0153
1.025	.0508
1.050	.0422

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.0621
.005	1.8630
.010	1.7389
.020	1.5517
.030	1.4273
.040	1.2575
.050	1.1472
.060	1.0109
.080	1.0456
.100	.9742
.112	.9326
.150	.8213
.200	.7410
.300	.3598
.400	.3879
.500	.4779
.600	.6468
.700	.7120
.800	.6821
.850	.5557
.950	.3798
.975	.3287
1.004	.0751
1.025	.1258
1.050	.1216

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 41

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA12)

ALPHA (5) = 40.004 MACH ~~(.1)~~ 7.320 RN/L = 3.4547 Q = 4.8799 P = ~~-13010~~ CPSTAG = 1.8292

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8743
.005	1.8892
.010	1.8292
.020	1.6849
.030	1.5693
.040	1.4204
.050	1.3221
.060	1.1836
.080	1.2233
.100	1.1417
.112	1.0967
.150	.9867
.200	.9178
.300	.5712
.400	.8426
.500	.8773
.600	.8965
.700	.9254
.800	.8905
.850	.7890
.950	.5885
.975	.5842
1.004	.0886
1.025	.1749
1.050	.1692

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 42

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA13) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDARK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5298
.005 1.5393
.010 1.2537
.020 .9758
.030 .8895
.040 .7245
.050 .5984
.060 .4851
.080 .4875
.100 .4342
.112 .4062
.150 .3329
.200 .2726
.300 .1384
.400 .2051
.500 .2528
.600 .2758
.700 .2880
.800 .2705
.850 .2168
.950 .0810
.975 .0579
1.004 .0101
1.025 .0192
1.050 .0151

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3444
.005 1.6442
.010 1.3993
.020 1.1447
.030 1.0600

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 43

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA13)

ALPHA (2) = 24.903 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8781
.050	.7492
.060	.6314
.080	.6368
.100	.5843
.112	.5541
.150	.4682
.200	.4136
.300	.0000
.400	.0000
.500	.4156
.600	.4310
.700	.4479
.800	.4152
.850	.3415
.950	.2025
.975	.1904
1.004	.0140
1.025	.0326
1.050	.0287

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L

.000	1.1335
.005	1.7458
.010	1.5142
.020	1.2938
.030	1.2462
.040	1.0614
.050	.9416
.060	.7616
.080	.8394
.100	.7790
.112	.7378
.150	.6355
.200	.5905
.300	.5462
.400	.5593
.500	.5777
.600	.5675

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 44

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA13)

ALPHA (3) = 29.753 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L .

.700	.5904
.800	.5594
.850	.4653
.950	.2941
.975	.2864
1.004	.0167
1.025	.0516
1.050	.0443

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 8.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9466
.005	1.8192
.010	1.6566
.020	1.4553
.030	1.4025
.040	1.2263
.050	1.1191
.060	.9526
.080	1.0181
.100	.9466
.112	.8992
.150	.7896
.200	.7597
.300	.7104
.400	.7242
.500	.7481
.600	.7539
.700	.7666
.800	.7360
.850	.6318
.950	.4355
.975	.4291
1.004	.0227
1.025	.0991
1.050	.0887

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 45

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA13)

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.000	.7671
.005	.0000
.010	1.7507
.020	1.5965
.030	1.5680
.040	1.4245
.050	1.3357
.060	1.1588
.080	1.2341
.100	1.1527
.112	1.1039
.150	.9923
.200	.9414
.300	.9048
.400	.0000
.500	.0000
.600	.0000
.700	.0000
.800	.0000
.850	.7916
.950	.5983
.975	.5923
1.004	.0547
1.025	1.284
1.050	.1220

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 46

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

EL .0000

X/L

.000 1.5053
.005 1.5062
.010 1.2430
.020 .9488
.030 .8413
.040 .6990
.050 .5806
.060 .4594
.080 .4714
.100 .4202
.112 .3858
.150 .3186
.200 .2653
.300 .0841
.400 .0832
.500 .0933
.600 .0892
.700 .0900
.800 .0844
.850 .0691
.950 .0406
.975 .0427
1.004 .0076
1.025 .0373
1.050 .0387

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.1916
.005 1.7356
.010 1.5508
.020 1.3256
.030 1.2081

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 47

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA14)

ALPHA (2) = 29.553 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0420
.050	.9132
.060	.7602
.080	.8106
.100	.7489
.112	.6986
.150	.6054
.200	.5537
.300	.1843
.400	.1909
.500	.1985
.600	.1966
.700	.2028
.800	.1850
.850	.1472
.950	.0932
.975	.0930
1.004	.0063
1.025	.0840
1.050	.0879

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8061
.005	1.8258
.010	1.7502
.020	1.6172
.030	1.5096
.040	1.3552
.050	1.2660
.060	1.1320
.080	1.1734
.100	1.0968
.112	1.0288
.150	.9392
.200	.9177
.300	.3859
.400	.7323
.500	.8142
.600	.8405

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 48

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA14)

ALPHA (3) = 39.949 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.8723
.800	.8364
.850	.7272
.950	.5278
.975	.5216
1.004	.0217
1.025	.1825
1.050	.2073

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 49

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA15) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = 000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5209
.005 1.5220
.010 1.5235
.020 .9549
.030 .8662
.040 7110
.050 .5868
.060 .4719
.080 4751
.100 4268
.112 4017
.150 3258
.200 .2199
.300 .1254
.400 .1769
.500 .2411
.600 .2663
.700 .2812
.830 .2625
.850 2098
.950 .0602
.975 .0554
1.004 0039
1.025 .0453
1.050 .0499

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL 0000

X/L

.000 1.1754
.005 1.7310
.010 1.5299
.020 1.3227
.030 1.2179

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 50

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA15)

ALPHA (2) = 29.623 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0324
.050	.9070
.060	.7681
.080	.8009
.100	.7430
.112	.7063
.150	.6017
.200	.5554
.300	.5070
.400	.5278
.500	.5592
.600	.5637
.700	.5840
.800	.5557
.850	.4588
.950	.2919
.975	.2813
1.004	.0101
1.025	.1109
1.050	.1302

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7833
.005	.0000
.010	1.7272
.020	1.5859
.030	1.5387
.040	1.4025
.050	1.3168
.060	1.1489
.080	1.2310
.100	1.1465
.112	1.0918
.150	.9844
.200	.9347
.300	.9016
.400	.0000
.500	.0000
.600	.0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 51

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA15)

ALPHA (31) = 40.081 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L	
.700	.0000
.800	.0000
.850	.8185
.950	.5997
.975	.5945
1.004	.0597
1.025	.5062
1.050	.5295

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 52

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA16) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
 .000 1.5512
 .005 1.5395
 .010 1.1450
 .020 .2333
 .030 .8617
 .040 .7008
 .050 .5835
 .060 .4769
 .080 .4753
 .100 .4211
 .112 .3810
 .150 .3224
 .200 .2767
 .300 .2671
 .400 .2771
 .500 .2986
 .600 .3058
 .700 .3059
 .800 .2896
 .850 .2449
 .950 .1448
 .975 .1408
 1.004 -.0064
 1.025 -.0159
 1.050 .1088

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL 0000

X/L
 .000 1.3934
 .005 1.6662
 .010 1.3008
 .020 .3614
 .030 1.0541

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 53

— ~~ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE.~~ —

—(REZAD6)—

ALPHA (2) = 24.797 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8759
.050	.7499
.060	.6356
.080	.6380
.100	.5789
.112	.5311
.150	.4531
.200	.4109
.300	.4076
.400	.4275
.500	.4455
.600	.4611
.700	.4643
.800	.4348
.850	.3738
.950	.2356
.975	.2291
1.004	-.0040
1.025	-.0158
1.050	.1896

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.2220
.005	1.7477
.010	1.4339
.020	.5071
.030	1.2199
.040	1.0288
.050	.9040
.060	.7898
.080	.7990
.100	.7361
.112	.6809
.150	.5982
.200	.5598
.300	.5482
.400	.5750
.500	.5921
.600	.6090

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 54

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA16)

ALPHA (3) = 29.720 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.6219
.800	.5880
.850	.5104
.950	.3430
.975	.3375
1.004	.0044
1.025	-.0164
1.050	.2965

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.0220
.005	1.8226
.010	1.3385
.020	.6571
.030	1.3976
.040	1.2198
.050	1.1137
.060	.9737
.080	1.0220
.100	.9476
.112	.8858
.150	.7966
.200	.7402
.300	.7576
.400	.7637
.500	.7834
.600	.7898
.700	.8159
.800	.7841
.850	.6876
.950	.4925
.975	.4962
1.004	.0132
1.025	-.0079
1.050	.4302

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 55

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA16)

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTA0 = 1.8299

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.5398
.005	1.7635
.010	1.5203
.020	.7554
.030	1.6857
.040	1.6043
.050	1.5414
.060	1.4247
.080	1.4701
.100	1.3761
.112	1.3196
.150	1.2463
.200	1.2412
.300	1.2298
.400	1.2305
.500	1.2508
.600	1.2649
.700	1.2889
.800	1.2619
.850	1.1483
.950	.9622
.975	.9576
1.004	.0358
1.025	.0030
1.050	.8713

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 56

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA17) (26 JUL 74) -

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5421
 .005 1.5280
 .010 1.0200
 .020 .1825
 .030 .0547
 .040 .6933
 .050 .5766
 .060 .4675
 .080 .4677
 .100 .4149
 .112 .3767
 .150 .3181
 .200 .2703
 .300 .2666
 .400 .2757
 .500 .2954
 .600 .3082
 .700 .3053
 .800 .2864
 .850 .2446
 .950 .2160
 .975 .2190
 1.004 -.0013
 1.025 -.0091
 1.050 .3477

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 .0000
 .005 .0000
 .010 .0000
 .020 .3840
 .030 1.2219

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 57

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA17)

ALPHA (2) = 29.655 MACH (1) = 7.320

~~XXXXXXXXXXXX~~

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0394
.050	.9143
.060	.7893
.080	.8122
.100	.7468
.112	.6912
.150	.6070
.200	.0000
.300	.5621
.400	.5825
.500	.6022
.600	.6107
.700	.6260
.800	.5918
.850	.5129
.950	.4567
.975	.4585
1.004	.0100
1.025	.0041
1.050	.8873

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8352
.005	1.8387
.010	1.5358
.020	1.5870
.030	1.5203
.040	1.3630
.050	1.2671
.060	1.1417
.080	1.1761
.100	1.0920
.112	1.0252
.150	.9373
.200	.9150
.300	.9249
.400	.9262
.500	.9526
.600	.9603

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 58

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA17)

ALPHA (3) = 39.966 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.9899
.800	.9613
.850	.8495
.950	.6451
.975	.6320
1.004	.0376
1.025	.1169
1.050	1.4475

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 59

ARC 3.5-198 CH3B 140C ORB BOTTOM CENTER LINE

(REZA18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415.

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.6532
.005 1.3771
.010 .8219
.020 .1288
.030 .6685
.040 .5301
.050 .4325
.060 .3507
.080 .3289
.100 .2818
.112 .2480
.150 .2232
.200 .1696
.300 .1493
.400 .1526
.500 .1617
.600 .1683
.700 .1793
.800 .1747
.850 .1521
.950 .0949
.975 .0837
1.004 .0055
1.025 .0002
1.050 .0632

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5302
.005 1.5076
.010 .9645
.020 .1818
.030 .8228

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 60

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA18)

ALPHA (2) = 19.668 MACH (1) = 10.290

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.6718
.050	.5531
.060	.4673
.080	.4463
.100	.3924
.112	.3579
.150	.3076
.200	.2577
.300	.2472
.400	.2610
.500	.2762
.600	.2883
.700	.2939
.800	.2834
.850	.2392
.950	.1447
.975	.1369
1.004	.0076
1.025	.0002
1.050	.1112

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.3812
.005	1.6356
.010	1.0986
.020	.1986
.030	1.0130
.040	.8391
.050	.7226
.060	.6072
.080	.6108
.100	.5528
.112	.5070
.150	.4387
.200	2.2240
.300	.3857
.400	.4102
.500	.4260
.600	.4291

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 61

~~ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE (REZA18)~~

ALPHA (3) = 24.801 MACH (1) = 10.290

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.4352
.800	.4137
.850	.3595
.950	.2282
.975	.2138
1.004	.0064
1.025	-.0090
1.050	.1759

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.2191
.005	1.7324
.010	1.2520
.020	.2866
.030	1.1893
.040	1.0036
.050	.8803
.060	.7682
.080	.7721
.100	.7111
.112	.6564
.150	.5733
.200	2 3682
.300	5311
.400	.5583
.500	.5750
.600	.5752
.700	.5815
.800	.5578
.850	.4887
.950	.3278
.975	.3146
1.004	.0141
1.025	-.0074
1.050	.2781

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 62

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA18)

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

EL .0000

X/L

.000	1.0357
.005	1.7898
.010	1.3496
.020	.4341
.030	1.3492
.040	1.1773
.050	1.0574
.060	.9373
.080	.9535
.100	.8845
.112	.8223
.150	.7323
.200	2.5444
.300	.7079
.400	.7212
.500	.7407
.600	.7489
.700	.7505
.800	.7263
.850	.6395
.950	.4573
.975	.4480
1.004	.0228
1.025	-.0012
1.050	.4177

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

EL .0000

X/L

.000	.8404
.005	1.8339
.010	1.4506
.020	.4341
.030	1.4945
.040	1.3382
.050	1.2549
.060	1.1141
.080	1.1624
.100	1.0750
.112	1.0083
.150	.9230

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 63

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA18)

ALPHA (6) = 40.049 MACH (1) = 10.290

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.200	2.7264
.300	.8874
.400	.9153
.500	.9290
.600	.9326
.700	.9476
.800	.9194
.850	.8193
.950	.6200
.975	.6098
1.004	.0427
1.025	.0074
1.050	.5727

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.0143
.005	.0217
.010	.0113
.020	.0077
.030	.0460
.040	.0537
.050	.0650
.060	.0632
.080	.1436
.100	.2756
.112	1.0238
.150	1.0838
.200	1.9793
.300	1.0571
.400	1.0624
.500	1.0835
.600	1.0966
.700	1.1084
.800	1.0714
.850	.9717
.950	.7654
.975	.7615
1.004	.0567
1.025	.0135

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 64

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA18)

ALPHA (7) = 44.248 MACH (1) = 10 290

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
1.050 .7131

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 65

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA19) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.4230
.005 1.3990
.010 .7811
.020 .1493
.030 .7747
.040 .6265
.050 .5194
.060 .4390
.080 .4194
.100 .3704
.112 .3304
.150 .2891
.200 .2436
.300 .2257
.400 .2379
.500 .2514
.600 .2591
.700 .2755
.800 .2649
.850 .2266
.950 .2147
.975 .2144
1.004 .0142
1.025 -.0006
1.050 .3112

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3247
.005 1.5343
.010 .9558
.020 .2278
.030 .9426

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 66

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA19)

ALPHA (2) = 24.815 MACH (1) = 10.290

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.7865
.050	.6682
.060	.5730
.080	.5631
.100	.5071
.112	.4551
.150	.4029
.200	.3601
.300	.3460
.400	.3654
.500	.3769
.600	.3848
.700	.3942
.800	.3711
.850	.3326
.950	.3062
.975	.3190
1.004	.0205
1.025	-.0001
1.050	.5483

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.1208
.005	1.5854
.010	1.1385
.020	.3326
.030	1.1108
.040	.9541
.050	.8314
.060	.7321
.080	.7343
.100	.6637
.112	.6226
.150	.5425
.200	.5035
.300	.5016
.400	.5159
.500	.5245
.600	.5279

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 67

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZAT9)

ALPHA (3) = 29.743 MACH (1) = 10.290

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.5301
.800	.5147
.850	.4484
.950	.4087
.975	.4268
1.004	.0250
1.025	.0033
1.050	.7855

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9905
.005	1.7032
.010	1.2951
.020	.4335
.030	1.3044
.040	1.0971
.050	.9898
.050	.8994
.080	.8948
.100	.8408
.112	.7786
.150	.7018
.200	.6599
.300	.6294
.400	.6732
.500	.6764
.600	.6606
.700	.7039
.800	.6775
.850	.5983
.950	.4982
.975	.5350
1.004	.0325
1.025	.0070
1.050	1.0894

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 68

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA19)

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7654
.005	1.7013
.010	1.2551
.020	.5432
.030	1.4264
.040	1.2564
.050	1.1814
.060	1.0453
.080	1.0932
.100	1.0230
.112	.9548
.150	.8730
.200	.8513
.300	.8579
.400	.8644
.500	.8733
.600	.8574
.700	.8527
.800	.8335
.850	.7368
.950	.6758
.975	.7236
1.004	.0518
1.025	.0170
1.050	1.3142

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.9079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6636
.005	1.7012
.010	1.3681
.020	.5338
.030	1.5061
.040	1.3769
.050	1.3069
.060	1.1944
.080	1.2368
.100	1.1346
.112	1.0837
.150	1.0096

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 69

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE (REZA19)-

ALPHA (6) = 44.187 MACH (1) = 10.290

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.200	.9717
.300	.4833
.400	.4935
.500	.9936
.600	.9935
.700	.9725
.800	.9526
.850	.8456
.950	.7648
.975	.8434
1.004	.0552
1.025	.0177
1.050	1.5687

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 70

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA20) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPD8RK = .000
BOFLAP = 000 RV/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.4208
.005 1.3871
.010 .8928
.020 .1365
.030 .7586
.040 .6179
.050 .5188
.060 .4272
.080 .4078
.100 .3561
.112 .3199
.150 .2789
.200 .2440
.300 .2203
.400 .2288
.500 .2434
.600 .2534
.700 .2605
.800 .2554
.850 .2202
.950 .1343
.975 .1260
1.004 .0033
1.025 -.0020
1.050 .0995

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3172
.005 1.5234
.010 1.0594
.020 .2275
.030 .9340

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 71

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA20)

ALPHA (2) = 24.851 MACH (1) = 10.290

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.7776
.050	.6521
.060	.5688
.080	.5491
.100	.4963
.112	.4501
.150	.3936
.200	.3612
.300	.3428
.400	.3593
.500	.3746
.600	.3789
.700	.3852
.800	.3730
.850	.3191
.950	.2087
.975	.1983
1.004	.0101
1.025	-.0004
1.050	.1730

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.2370
.005	1.7310
.010	1.2733
.020	.3067
.030	1.2011
.040	1.0174
.050	.8885
.060	.7894
.080	.7834
.100	.7197
.112	.6674
.150	.5803
.200	.5379
.300	.5460
.400	.5704
.500	.5891
.600	.5925

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 72

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA20)

ALPHA (3) = 29.725 MACH (1) = 10.290

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.5965
.800	.5747
.950	.4984
.950	.3361
.975	.3260
1.004	.0218
1.025	.0042
1.050	.2894

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.0501
.005	1.8099
.010	1.4245
.020	.4123
.030	1.3633
.040	1.1835
.050	1.0612
.060	.0000
.080	.9680
.100	.8926
.112	.8303
.150	.7397
.200	.7027
.300	.7128
.400	.7341
.500	.7456
.600	.7570
.700	.7562
.800	.7282
.850	.6433
.950	.4622
.975	.4543
1.004	.0345
1.025	.0064
1.050	.4237

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 73

ARC 3.5-198 OH38 1400 ORB BOTTOM CENTER LINE

(REZA20)

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8518
.005	1.8283
.010	1.3276
.020	.6047
.030	1.5237
.040	1.3736
.050	1.2745
.060	1.1373
.080	1.1859
.100	1.1046
.112	1.0406
.150	.9473
.200	.9041
.300	.9131
.400	.9175
.500	.9340
.600	.9406
.700	.9463
.800	.9245
.850	.8264
.950	.6221
.975	.6154
1.004	.0453
1.025	.0159
1.050	.5682

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7114
.005	1.8189
.010	1.4809
.020	.5665
.030	1.6175
.040	1.4818
.050	1.4008
.060	1.2672
.080	1.3116
.100	1.2163
.112	1.1564
.150	1.0792

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 74

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA20)

ALPHA (6) = 44.136 MACH (1) = 10.290

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.200	1.0421
.300	1.0441
.400	1.0496
.500	1.0689
.600	1.0758
.700	1.0880
.800	1.0494
.850	.9451
.950	.7495
.975	.7425
1.004	.0505
1.025	.0146
1 050	.6986

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 75

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BOFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5502
.005 1.5459
.010 1.0715
.020 .3959
.030 .8761
.040 .7191
.050 .6002
.060 .5312
.080 .4921
.100 .4385
.112 .4001
.150 .3383
.200 .2666
.300 .2853
.400 .2950
.500 .3127
.600 .3259
.700 .3234
.800 .3026
.850 .2608
.950 .2277
.975 .2317
1.004 .0124
1.025 .0079
1.050 .2941

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 .0000
.005 .0000
.010 .0000
.020 .0000
.030 .0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 76

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA30)

ALPHA (2) = 24.590 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.0000
.050	.0000
.060	.0000
.080	.0000
.100	.0000
.112	.0000
.150	.0000
.200	.0000
.300	.0000
.400	.0000
.500	.0000
.600	.0000
.700	.0000
.800	.0000
.850	.0000
.950	.0000
.975	.0000
1.004	.0000
1.025	.0000
1.050	.0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.3513
.005	1.6586
.010	1.2937
.020	.0216
.030	1.0479
.040	.8784
.050	.7494
.060	.6856
.080	.6383
.100	.5841
.112	.5363
.150	.4587
.200	.4015
.300	.4127
.400	.4331
.500	.4462
.600	.4597

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 77

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA30)

ALPHA (3) = 35.000 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.4646
.800	.4318
.850	.3742
.950	.3334
.975	.3367
1.004	.0080
1.025	-.0124
1.050	.6304

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8199
.005	1.8395
.010	1.5780
.020	1.0037
.030	1.5425
.040	1.3989
.050	1.3014
.060	1.2257
.080	1.2125
.100	1.1241
.112	1.0562
.150	.9708
.200	.9331
.300	.9494
.400	.9511
.500	.9721
.600	.9777
.700	1.0088
.800	.9758
.850	.8711
.950	.7226
.975	.7557
1.004	.0415
1.025	.0739
1.050	1.2873

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 78

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA30)

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6789
.005	1.8200
.010	1.5486
.020	1.1232
.030	1.6296
.040	1.5115
.050	1.4331
.060	1.3097
.080	1.3400
.100	1.2480
.112	1.1762
.150	1.0979
.200	1.0772
.300	1.0867
.400	1.0909
.500	1.1091
.600	1.1235
.700	1.1532
.800	1.1180
.850	1.0172
.950	.8070
.975	.7957
1.004	.0481
1.025	.1169
1.050	1.4731

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.5398
.005	1.7511
.010	1.7406
.020	.0624
.030	1.6818
.040	1.5994
.050	1.5452
.060	1.4983
.080	1.4629
.100	1.3807
.112	1.3285
.150	1.2489

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 79

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA30)

ALPHA (6) = 48.692 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.200	1.2427
.300	1.2319
.400	1.2404
.500	1.2552
.600	1.2689
.700	1.2870
.800	1.2629
.850	1.1591
.950	.9710
.975	.9998
1.004	.0412
1.025	.0098
1.050	1.7838

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 80

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6 500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5129
.005 1.5227
.010 1.0367
.020 .5195
.030 .8658
.040 .7033
.050 .5876
.060 .4315
.080 .4772
.100 .4249
.112 3835
.150 .3197
.200 .2723
.300 .2728
.400 .2836
.500 .3023
.600 .3201
.700 3263
.800 3063
.850 .2577
.950 .1475
.975 .1406
1.004 -.0085
1.025 .0284
1.050 .4262

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.1773
.005 1.7258
.010 1.3248
.020 .8592
.030 1.2158

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 81

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA31)

ALPHA (2) = 29.712 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0267
.050	.9048
.060	.7973
.080	.8030
.100	.7427
.112	.6819
.150	.6006
.200	.5588
.300	.5710
.400	.5844
.500	.6161
.600	.6226
.700	.6498
.800	.6267
.850	.5344
.950	.3490
.975	.3333
1.004	.0035
1.025	.0965
1.050	.8373

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 82

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.6483
.005 1.4173
.010 .9061
.020 .0236
.030 .6853
.040 .5532
.050 .4453
.060 .3920
.080 .3418
.100 .2951
.112 .2620
.150 .2158
.200 .1695
.300 .1625
.400 .1683
.500 .1780
.600 .1795
.700 .1861
.800 .1747
.850 .1489
.950 .0890
.975 .0793
1.004 -.0106
1.025 -.0157
1.050 .0345

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5474
.005 1.5346
.010 1.0338
.020 .3711
.030 .8581

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 83

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA32)

ALPHA (2) = 19.534 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.6974
.050	.5799
.060	.3968
.080	.4695
.100	.4169
.112	.3781
.150	.3174
.200	.2697
.300	.2686
.400	.2772
.500	.2977
.600	.3142
.700	.3114
.800	.2895
.850	.2466
.950	.1453
.975	.1416
1.004	-.0081
1.025	-.0179
1.050	.1061

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = 12830 CPSTAG = 1.8305

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.3329
.005	1.6515
.010	1.1576
.020	.5237
.030	1.0430
.040	.8693
.050	.7480
.060	.6710
.080	.6304
.100	.5779
.112	.5312
.150	.4546
.200	.4013
.300	.4063
.400	.4242
.500	.4365
.600	.4521

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 04

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA32)

ALPHA (3) = 24.445 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.4489
.800	.4222
.850	.3680
.950	.2336
.975	.2249
1.004	.0013
1.025	-.0142
1.050	.1860

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.2112
.005	1.7359
.010	1.3218
.020	.6509
.030	1.2133
.040	1.0266
.050	.9036
.060	.7139
.080	.8014
.100	.7394
.112	.6851
.150	.6002
.200	.5539
.300	.5597
.400	.5790
.500	.5988
.600	.6117
.700	.6307
.800	.5967
.850	.5148
.950	.3427
.975	.3407
1.004	.0013
1.025	-.0154
1.050	.2666

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 85

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA32)

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.9285

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.0207
.005	1.8030
.010	1.4580
.020	.8453
.030	1.3706
.040	1.1901
.050	1.0835
.060	.8906
.080	.9886
.100	.9181
.112	.8512
.150	.7645
.200	.7235
.300	.7324
.400	.7484
.500	.7722
.600	.7795
.700	.8102
.800	.7841
.850	.6829
.950	.4869
.975	.4905
1.004	.0120
1.025	-.0126
1.050	.4179

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8214
.005	1.8252
.010	1.6189
.020	.8123
.030	1.5082
.040	1.3483
.050	1.2697
.060	1.1909
.080	1.1662
.100	1.0953
.112	1.0256
.150	.9395

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 86

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA32)

ALPHA (6) = 39.964 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.200	.9165
.300	.9227
.400	.9223
.500	.9533
.600	.9579
.700	.9902
.800	.9614
.850	.8477
.950	.6469
.975	.6290
1.004	.0210
1.025	-.0054
1.050	.5833

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.9303

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6693
.005	1.7971
.010	1.5841
.020	1.0211
.030	1.6187
.040	1.4958
.050	1.4251
.060	1.3439
.080	1.3218
.100	1.2394
.112	1.1702
.150	1.0959
.200	1.0769
.300	1.0707
.400	1.0673
.500	1.0879
.600	1.0982
.700	1.1241
.800	1.0953
.850	.9866
.950	.7899
.975	.7819
1.004	.0306
1.025	-.0003

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 97

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA32)

ALPHA (7) = 44.152 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
1.050 .6926

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.000 .5417
.005 1.7553
.010 1.6266
.020 .0734
.030 1.6799
.040 1.6005
.050 1.5384
.060 1.4936
.080 1.4493
.100 1.3659
.112 1.3097
.150 1.2286
.200 1.2307
.300 1.2164
.400 1.2295
.500 1.2480
.600 1.2718
.700 1.2923
.800 1.2577
.850 .0000
.950 .0000
.975 .9546
1.004 .0458
1.025 .0000
1.050 .6911

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 88

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5307
 .005 1.5236
 .010 1.0405
 .020 .5557
 .030 .8723
 .040 .6885
 .050 .5881
 .060 .4124
 .080 .4791
 .100 .4308
 .112 .3817
 .150 .3274
 .200 .2770
 .300 .2782
 .400 .2917
 .500 .3078
 .600 .3236
 .700 .3371
 .800 .3210
 .850 .2660
 .950 .1557
 .975 .1457
 1.004 -.0075
 1.025 -.0150
 1.050 .1145

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3040
 .005 1.6567
 .010 1.2510
 .020 .0106
 .030 1.0618

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 89

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA33)

ALPHA (2) = 24.599 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8651
.050	.7551
.060	.7013
.080	.6505
.100	.5996
.112	.5426
.150	.4717
.200	.4296
.300	.4265
.400	.4501
.500	.4667
.600	.4799
.700	.4965
.800	.4678
.850	.3960
.950	.2413
.975	.2284
1.004	-.0035
1.025	-.0160
1.050	.1832

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9728
.005	1.8139
.010	1.5610
.020	.0178
.030	1.3917
.040	1.2197
.050	1.1096
.060	1.0533
.080	1.0141
.100	.9439
.112	.8620
.150	.7718
.200	.7549
.300	.7494
.400	.6642
.500	.6863
.600	.6978

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 90

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA33)

ALPHA (3) = 31.394 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.7036
.800	.6901
.850	.6363
.950	.5283
.975	.4900
1.004	.1861
1.025	.2093
1.050	.3914

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283 *

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7726
.005	1.7845
.010	1.4697
.020	1.1707
.030	1.5125
.040	1.3568
.050	1.2896
.060	1.1167
.080	1.2060
.100	1.1195
.112	1.0343
.150	.9584
.200	.9196
.300	.9250
.400	.9480
.500	.9595
.600	.9810
.700	1.0067
.800	1.0209
.850	.8943
.950	.6588
.975	.6436
1.004	.0089
1.025	-.0041
1.050	.5656

DATE 14 NOV 75

TABULATED SOURCE DATA 0H38 (ARC 3.5-198)

PAGE 91

ARC 3.5-198 0H38 140C ORB BOTTOM CENTER LINE

(REZA34) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BOFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.6444
.005 1.4285
.010 1.0093
.020 .0235
.030 .6981
.040 .5646
.050 .4571
.060 .4014
.080 .3535
.100 .3073
.112 .2740
.150 .2300
.200 .3199
.300 .0000
.400 .0000
.500 .1894
.600 .1935
.700 .1954
.800 .1851
.850 .1571
.950 .0995
.975 .0897
1.004 .0077
1.025 .0058
1.050 .0231

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5233
.005 1.5201
.010 1.0257
.020 .3591
.030 .8547

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 92

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA34)

ALPHA (2) = 19.440 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.6880
.050	.5795
.060	.3428
.080	.4706
.100	.4178
.112	.3805
.150	.3183
.200	.2694
.300	.2726
.400	.2800
.500	.3015
.600	.3142
.700	.3126
.800	.2952
.850	.2494
.950	.1472
.975	.1387
1.004	-.0054
1.025	-.0121
1.050	.0225

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = 12860 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.3517
.005	1.6601
.010	1.2229
.020	.4630
.030	1.0477
.040	.8734
.050	.7488
.060	.6744
.080	.6322
.100	.5793
.112	.5328
.150	.4571
.200	.3991
.300	.4004
.400	.4291
.500	.4479
.600	.4612

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 93

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA34)

ALPHA (3) = 24.719 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.4629
.800	.4341
.850	.3722
.950	.2397
.975	.2289
1.004	.0013
1.025	-.0109
1.050	.0541

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.2084
.005	1.7522
.010	1.3537
.020	.6974
.030	1.2309
.040	1.0343
.050	.9208
.060	.6972
.080	.8160
.100	.7582
.112	.6993
.150	.6124
.200	.5623
.300	.5734
.400	.5933
.500	.6015
.600	.6184
.700	.6295
.800	.5934
.850	.5157
.950	.3394
.975	.3291
1.004	.0066
1.025	-.0138
1.050	.0939

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DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 94

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA34)

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12080 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.0112
.005	1.8171
.010	1.5378
.020	.7813
.030	1.3784
.040	1.2013
.050	1.0952
.060	1.0229
.080	.9897
.100	.9264
.112	.8647
.150	.7735
.200	.7295
.300	.7385
.400	.7538
.500	.7837
.600	.7098
.700	.8150
.800	.7836
.850	.6829
.950	.4932
.975	.4796
1.004	.0132
1.025	-.0062
1.050	.1738

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8173
.005	1.8212
.010	1.5469
.020	1.0056
.030	1.5096
.040	1.3468
.050	1.2612
.060	1.0156
.080	1.1698
.100	1.0885
.112	1.0185
.150	.9354

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 95

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA34)

ALPHA (6) = 39.895 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.200	.9205
.300	.9179
.400	.9249
.500	.9503
.600	.9602
.700	.9920
.800	.9650
.850	.8517
.950	.6426
.975	.6310
1.004	.0336
1.025	-.0035
1.050	.2449

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L

.000	.6812
.005	1.8063
.010	1.6034
.020	.9471
.030	1.6167
.040	1.4946
.050	1.4263
.060	1.3448
.080	1.3197
.100	1.2456
.112	1.1728
.150	1.0917
.200	1.0752
.300	1.0700
.400	1.0676
.500	1.0858
.600	1.0953
.700	1.1238
.800	1.0788
.850	.9805
.950	.7897
.975	.7827
1.004	.0321
1.025	.0025

DATE 14 NOV 75 ,

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 96

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA34)

ALPHA (7) = 44.264 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
1.050 .3387

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.000 .5419
.005 1.7442
.010 1.7180
.020 .0751
.030 1.6749
.040 1.5933
.050 1.5380
.060 1.4957
.080 1.4595
.100 1.3791
.112 1.3247
.150 1.2457
.200 1.2357
.300 .0000
.400 .0000
.500 1.1517
.600 1.1704
.700 1.1867
.800 1.1662
.850 1.0950
.950 .9649
.975 .9327
1.004 .2606
1.025 .2212
1.050 .4749

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 97

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA35) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5406
.005 1.5289
.010 1.0881
.020 1.1006
.030 .8533
.040 .6896
.050 .5737
.060 .4603
.080 .4645
.100 .4107
.112 .3728
.150 .3130
.200 .2684
.300 .2620
.400 .2748
.500 .2921
.600 .3063
.700 .3076
.800 .2834
.850 .2433
.950 .2060
.975 .2065
1.004 -.0002
1.025 -.0109
1.050 .3813

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8289

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3989
.005 1.6608
.010 1.3164
.020 .1796
.030 1.0493

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 98

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA35)

ALPHA (2) = 24.886 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8553
.050	.7361
.060	.6210
.080	.6238
.100	.5629
.112	.5164
.150	.4400
.200	.4009
.300	.4079
.400	.4231
.500	.4436
.600	.4605
.700	.4561
.800	.4269
.850	.3629
.950	.3051
.975	.3106
1.004	.0169
1.025	.1496
1.050	.7078

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.2056
.005	1.7384
.010	1.3775
.020	.2225
.030	1.2179
.040	1.0223
.050	.9130
.060	.7678
.080	.8104
.100	.7446
.112	.6915
.150	.6056
.200	.5602
.300	.5615
.400	.5823
.500	.5984
.600	.6062

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 99

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA35)

ALPHA (3) = 29.509 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.6207
.800	.5863
.850	.5068
.950	.4442
.975	.4450
1.004	.0101
1.025	-.0016
1.050	.9270

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.0038
.005	1.8056
.010	1.5132
.020	.3148
.030	1.3849
.040	1.1991
.050	1.0972
.060	.9564
.080	1.0083
.100	.9326
.112	.8719
.150	.7809
.200	.7482
.300	.7498
.400	.7556
.500	.7758
.600	.7838
.700	.8059
.800	.7743
.850	.6795
.950	.5771
.975	.5918
1.004	.0149
1.025	.0104
1.050	1.1998

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 100

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA35)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8150
.005	1.8351
.010	1.6497
.020	.3744
.030	1.5218
.040	1.3562
.050	1.2742
.060	1.1328
.080	1.1786
.100	1.0964
.112	1.0243
.150	.9425
.200	.9247
.300	.9248
.400	.9294
.500	.9544
.600	.9601
.700	.9919
.800	.9624
.850	.8494
.950	.6452
.975	.6312
1.004	.0396
1.025	.1286
1.050	1.4150

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6717
.005	1.8174
.010	1.5907
.020	.4357
.030	1.6235
.040	1.5076
.050	1.4335
.060	.2950
.080	1.3367
.100	1.2417
.112	1.1681
.150	1.0907

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 101

ARC 3.5-198 OH38 140C ORD BOTTOM CENTER LINE

(REZA35)

ALPHA (6) = 44.132 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.200	1.0711
.300	1.0708
.400	1.0724
.500	1.0957
.600	1.1033
.700	1.1318
.800	1.1044
.850	.9881
.950	.7903
.975	.7824
1.004	.0536
1.025	.2101
1.050	1.5942

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 102

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA36) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.6271
.005 1.3888
.010 .9592
.020 .2853
.030 .6878
.040 .5474
.050 .4506
.060 .3770
.080 .3470
.100 .2991
.112 .2655
.150 2233
.200 .1516
.300 .1631
.400 1669
.500 1710
.600 .1733
.700 .1821
.800 1727
.850 .1522
.950 .1642
.975 1615
1.004 -.0016
1.025 -.0098
1.050 2504

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3645
.005 1.6211
.010 1.2420
.020 .4507
.030 1.0182

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 103

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA36)

ALPHA (2) = 24.838 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8449
.050	.7192
.060	.6359
.080	.6035
.100	.5501
.112	.5068
.150	.4345
.200	.3960
.300	.3889
.400	.4050
.500	.4277
.600	.4370
.700	.4336
.800	.4143
.850	.3558
.950	.3428
.975	.3462
1.004	.0227
1.025	.1882
1.050	1.1082

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L

.000	1.1924
.005	1.7621
.010	1.4883
.020	.0113
.030	1.2295
.040	1.0563
.050	.9286
.060	.8664
.080	.8203
.100	.7596
.112	.7079
.150	.6199
.200	.5692
.300	.5775
.400	.5960
.500	.6074
.600	.6193

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 104

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(REZA36)

ALPHA (3) = 29.492 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.6291
.800	.5961
.850	.5261
.950	.5027
.975	.5053
1.004	.1311
1.025	.2861
1.050	1.2888

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6582
.005	1.7761
.010	1.6510
.020	.9243
.030	1.5812
.040	1.4592
.050	1.3847
.060	1.2906
.080	1.3021
.100	1.2098
.112	1.1524
.150	1.0766
.200	1.0508
.300	1.0577
.400	1.0553
.500	1.0788
.600	1.0873
.700	1.0899
.800	1.0411
.850	.9490
.950	.9267
.975	1.0279
1.004	.0373
1.025	.0193
1.050	1.8519

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 105

ARC 3.5-198 OH38 1400 ORB BOTTOM CENTER LINE

(REZA35)

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.5500
.005	1.7662
.010	1.7366
.020	.0720
.030	1.6920
.040	1.6040
.050	1.5454
.060	1.5011
.080	1.4643
.100	1.3823
.112	1.3232
.150	1.2443
.200	1.2382
.300	1.2338
.400	1.2442
.500	1.2530
.600	1.2705
.700	1.2938
.800	1.2603
.850	1.1578
.950	.9724
.975	1.6266
1.004	.0588
1.025	.0104
1.050	2.0840

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 106

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.6273
.005 1.3908
.010 .9246
.020 .3208
.030 .6882
.040 .5478
.050 .4469
.060 .3800
.080 .3465
.100 .2973
.112 .2651
.150 .2139
.200 .1776
.300 .1666
.400 .1705
.500 .1748
.600 .1755
.700 .1815
.800 .1746
.850 .1495
.950 .1568
.975 .1552
1.004 -.0053
1.025 -.0114
1.050 .3387

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.4930
.005 1.5125
.010 1.1048
.020 .5139
.030 .8461

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 107

ARC 3.5-198 OH38 1400 ORB BOTTOM CENTER LINE

(REZA37)

ALPHA (2) = 19.629 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.6835
.050	.5695
.060	.4985
.080	.4628
.100	.4122
.112	.3735
.150	.3148
.200	.2762
.300	.2641
.400	.2815
.500	.3028
.600	.3034
.700	.3001
.800	.2941
.850	.2470
.950	.1479
.975	.1377
1.004	-.0026
1.025	.0399
1.050	.8884

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 108

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(REZA38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.4794
.005 1.5501
.010 1.0329
.020 .4731
.030 .8684
.040 .7050
.050 .5835
.060 .5118
.080 .4714
.100 .4227
.112 .3775
.150 .3210
.200 .2799
.300 .2755
.400 .2871
.500 .3070
.600 .3226
.700 .3206
.800 .3041
.850 .2532
.950 .1474
.975 .1370
1.004 -.0064
1.025 -.0143
1.050 .0286

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3104
.005 1.6402
.010 1.2152
.020 .6494
.030 1.0449

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-19B)

PAGE 109

ARC 3.5-19B OH38 140C ORB BOTTOM CENTER LINE

(REZA38)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8653
.050	.7409
.060	.6719
.080	.6293
.100	.5788
.112	.5214
.150	.4560
.200	.4139
.300	.4024
.400	.4315
.500	.4549
.600	.4640
.700	.4844
.800	.4524
.850	.3786
.950	.2395
.975	.2218
1.004	-.0049
1.025	-.0154
1.050	.0622

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 110

ARC 3.5-198 OH38 1400 ORB BOTTOM CENTER LINE

(XEZA03) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.4773
.005 1.4711
.010 1.2287
.020 .9410
.030 .8323
.040 .6863
.050 .5759
.060 .4592
.080 .4678
.100 .4170
.112 .3919
.150 .3187
.200 .2699
.300 .0959
.400 .1001
.500 .1114
.600 .1066
.700 .1059
.800 .0989
.850 .0791
.950 .0498
.975 .0485
1.004 .0107
1.025 .0443
1.050 .0439

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3473
.005 1.6233
.010 1.3909
.020 1.1357
.030 1.0224

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 111

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA03)

ALPHA (2) = 24.885 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8563
.050	.7380
.060	.6058
.080	.6230
.100	.5678
.112	.5263
.150	.4492
.200	.4009
.300	.1503
.400	.1454
.500	.1545
.600	.1541
.700	.1531
.800	.1406
.850	.1152
.950	.0722
.975	.0716
1.004	.0074
1.025	.0660
1.050	.0674

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.1834
.005	1.7045
.010	1.5301
.020	1.3103
.030	1.1928
.040	1.0139
.050	.8955
.060	.7640
.080	.7909
.100	.7315
.112	.6847
.150	.5884
.200	.5429
.300	.2151
.400	.2226
.500	.2343
.600	.2431

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 112

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA03)

ALPHA (3) = 29.811 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.2373
.800	.2227
.850	.1773
.950	.1156
.975	.1160
1.004	.0055
1.025	.1050
1.050	.1133

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9609
.005	1.7629
.010	1.6364
.020	1.4666
.030	1.3598
.040	1.1995
.050	1.0951
.060	.9271
.080	.9994
.100	.9290
.112	.8781
.150	.7847
.200	.7300
.300	.2387
.400	.2562
.500	.2759
.600	.2701
.700	.2828
.800	.2506
.850	.1997
.950	.1324
.975	.1309
1.004	.0183
1.025	.1221
1.050	.1290

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 113

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA03)

ALPHA (5) = 39.947 MACH (~~1~~) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 ~~CPSTAG~~ = 1.8301

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7785
.005	1.7901
.010	1.7136
.020	1.5915
.030	1.4972
.040	1.3628
.050	1.2735
.060	1.1012
.080	1.1801
.100	1.1070
.112	1.0431
.150	.9565
.200	.9134
.300	.5019
.400	.7525
.500	.7802
.600	.7685
.700	.7965
.800	.7448
.850	.6486
.950	.4724
.975	.4646
1.004	.0321
1.025	.1958
1.050	.2035

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6539
.005	1.7881
.010	1.7486
.020	1.6741
.030	1.5911
.040	1.4756
.050	1.3949
.060	1.2347
.080	1.3071
.100	1.2208
.112	1.1472
.150	1.0775

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ORIGINAL PAGE IS POOR

DATE 14 NOV 78

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 114

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA03)

ALPHA (6) = 44.174 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.200	1.0519
.300	.9351
.400	.9036
.500	.9414
.600	.9576
.700	.9853
.800	.9323
.850	.8273
.950	.6525
.975	.6513
1.004	.0496
1.025	.2630
1.050	.2958

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.5263
.005	1.7337
.010	1.7262
.020	1.7112
.030	1.6616
.040	1.5827
.050	1.5204
.060	1.3434
.080	1.4242
.100	1.3353
.112	1.2584
.150	1.2184
.200	1.2324
.300	1.0631
.400	1.0700
.500	1.0999
.600	1.0985
.700	1.1340
.800	.0000
.850	.9632
.950	.8158
.975	.8175
1.004	.0542
1.025	.3621

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 115

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA03)

ALPHA (7) = 48.803 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
1.050 .4474

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 116

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5213
.005 1.5310
.010 1.1857
.020 .4768
.030 .8650
.040 .7029
.050 .5787
.060 .3221
.080 .4689
.100 .4174
.112 .3786
.150 .3166
.200 .2766
.300 .2721
.400 .2859
.500 .3093
.600 .3223
.700 .3249
.800 .3041
.850 .2540
.950 .1482
.975 .1384
1.004 -.0059
1.025 .1117
1.050 .1173

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3292
.005 1.6430
.010 1.4150
.020 1.1642
.030 1.0562

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 117

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(XEZA04)

ALPHA (2) = 24.809 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8828
.050	.7519
.060	.6401
.080	.5500
.100	.5920
.112	.5477
.150	.4702
.200	.4249
.300	.3331
.400	.3763
.500	.4002
.600	.4056
.700	.4215
.800	.3918
.850	.3139
.950	.1781
.975	.1654
1.004	.0047
1.025	.0704
1.050	.0699

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.9297

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.1848
.005	1.7407
.010	1.5577
.020	1.3262
.030	1.2213
.040	1.0378
.050	.9075
.060	.7922
.080	.8079
.100	.7443
.112	.6883
.150	.6050
.200	.5746
.300	.5056
.400	.5298
.500	.5579
.600	.5564

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 119

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA04)

ALPHA (3) = 29.649 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.5716
.800	.5357
.850	.4362
.950	.2856
.975	.2726
1.004	.0070
1.025	.1025
1.050	.1157

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9317
.005	1.7931
.010	1.6811
.020	1.4629
.030	1.3984
.040	1.2319
.050	1.1252
.060	.9589
.080	1.0338
.100	.9547
.112	.8906
.150	.8028
.200	.7718
.300	.6637
.400	.6655
.500	.6829
.600	.6630
.700	.6832
.800	.6571
.850	.5549
.950	.3734
.975	.3701
1.004	.0265
1.025	.1461
1.050	.2548

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 119

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(XEZA04)

ALPHA (S) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.7202
.005	1.7587
.010	1.6841
.020	1.5298
.030	1.5159
.040	1.3883
.050	1.3027
.060	1.0971
.080	1.2102
.100	1.1308
.112	1.0449
.150	.9728
.200	.9493
.300	.8291
.400	.8171
.500	.8347
.600	.8162
.700	.8422
.800	.8261
.850	.7030
.950	.5104
.975	.5095
1.004	.0352
1.025	.4507
1.050	.4687

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9591 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6176
.005	1.7561
.010	1.7450
.020	1.6322
.030	1.6125
.040	1.5040
.050	1.4343
.060	1.2549
.080	1.3496
.100	1.2534
.112	1.1739
.150	1.1077

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 120

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA04)

ALPHA (6) = 44.090 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.200	.9965
.300	.9830
.400	.9869
.500	.9905
.600	1.0006
.700	.9957
.800	.9570
.850	.8301
.950	.6578
.975	.6563
1.004	.0778
1.025	.5777
1.050	.6158

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 121

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA05) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5262
.005 1.5218
.010 .9374
.020 .3014
.030 .8539
.040 .6985
.050 .5774
.060 .4896
.080 .4699
.100 .4165
.112 .3780
.150 .3187
.200 .2738
.300 .2698
.400 .2799
.500 .2978
.600 .3134
.700 .3123
.800 .2919
.850 .2506
.950 .1485
.975 .1441
1.004 -.0057
1.025 .1123
1.050 .1125

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.2119
.005 1.7508
.010 1.2684
.020 .5961
.030 1.2272

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 122

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA05)

ALPHA (2) = 29.560 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0448
.050	.9209
.060	.8292
.080	.8161
.100	.7523
.112	.6961
.150	.6107
.200	.5618
.300	.5674
.400	.5904
.500	.5987
.600	.6096
.700	.6308
.800	.5913
.850	.5130
.950	.3402
.975	.3305
1.00 ^u	.0039
1.025	.2838
1.050	.2833

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9750
.005	1.7812
.010	1.6178
.020	.0036
.030	1.3622
.040	1.1973
.050	1.0860
.060	1.0304
.080	.9918
.100	.9265
.112	.8663
.150	.7730
.200	.7380
.300	.7503
.400	.7566
.500	.7715
.600	.7818

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 123

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA05)

ALPHA (3) = 32.095 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.7982
.800	.7631
.850	.6746
.950	.4886
.975	.4911
1.004	.0146
1.025	-.0091
1.050	.4301

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8278
.005	1.8517
.010	1.4949
.020	.8695
.030	1.5390
.040	1.3839
.050	1.2850
.060	1.1920
.080	1.1886
.100	1.1068
.112	1.0387
.150	.9563
.200	.9326
.300	.9494
.400	.9609
.500	.9833
.600	.9743
.700	1.0021
.800	.9516
.850	.8442
.950	.6308
.975	.6212
1.004	.0155
1.025	.5586
1.050	.5844

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 124

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA05)

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6574
.005	1.7828
.010	1.7354
.020	.0485
.030	1.6038
.040	1.4920
.050	1.4155
.060	1.3576
.080	1.3195
.100	1.2331
.112	1.1683
.150	1.0867
.200	1.0722
.300	1.0738
.400	1.0798
.500	1.0889
.600	1.1144
.700	1.1329
.800	1.1068
.850	.9972
.950	.7934
.975	.7938
1.004	.0318
1.025	-.0026
1.050	.7501

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.5425
.005	1.7459
.010	1.7041
.020	.9496
.030	1.6697
.040	1.5804
.050	1.5234
.060	1.4731
.080	1.4388
.100	1.3580
.112	1.3016
.150	1.2244

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 125

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA05)

ALPHA (6) = 50.000 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.200	1.2244
.300	1.2116
.400	1.2254
.500	1.2342
.600	1.2601
.700	1.2814
.800	1.2433
.850	1.1379
.950	.9591
.975	.9614
1.004	.0378
1.025	.0082
1.050	.9175

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 126

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA06) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.4755
 .005 1.5360
 .010 1.0474
 .020 .5191
 .030 .8604
 .040 .7020
 .050 .5804
 .060 .5118
 .080 .4722
 .100 .4209
 .112 .3803
 .150 .3190
 .200 .2773
 .300 .2753
 .400 .2866
 .500 .3048
 .600 .3223
 .700 .3197
 .800 .3022
 .850 .2509
 .950 .1450
 .975 .1348
 1.004 .0083
 1.025 .0149
 1.050 .1097

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.3082
 .005 1.8549
 .010 1.2616
 .020 .0127
 .030 1.0636

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 127

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA06)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.8889
.050	.7546
.060	.7035
.080	.6532
.100	.5979
.112	.5398
.150	.4685
.200	.4268
.300	.4254
.400	.4469
.500	.4651
.600	.4779
.700	.4972
.800	.4755
.850	.3976
.950	.2451
.975	.2314
1.004	-.0040
1.025	-.0131
1.050	.1788

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.1502
.005	1.7200
.010	1.3708
.020	.8384
.030	1.1971
.040	1.0198
.050	.8907
.060	.8207
.080	.7892
.100	.7293
.112	.6677
.150	.5923
.200	.5627
.300	.5552
.400	.5718
.500	.5998
.600	.6166

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 128

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA06)

ALPHA (3) = 30.000 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.6377
.800	.6035
.850	.5134
.950	.3388
.975	.3222
1.004	-.0036
1.025	-.0169
1.050	.2927

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9704
.005	1.8142
.010	1.5698
.020	.0189
.030	1.3934
.040	1.2200
.050	1.1078
.060	1.0535
.080	1.0150
.100	.9432
.112	.8616
.150	.7713
.200	.7565
.300	.7477
.400	.7764
.500	.7878
.600	.8147
.700	.8290
.800	.8194
.850	.7110
.950	.4946
.975	.4757
1.004	.0053
1.025	-.0106
1.050	.2851

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 129

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.6567
.005 1.4317
.010 .9807
.020 .0184
.030 .6932
.040 .5572
.050 .4469
.060 .3884
.080 .3430
.100 .2948
.112 .2613
.150 .2139
.200 .0000
.300 .1612
.400 .1700
.500 .1781
.600 .1808
.700 .1878
.800 .1750
.850 .1498
.950 .0881
.975 .0804
1.004 - .0031
1.025 - .0073
1.050 .0602

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.5377
.005 1.5314
.010 1.0130
.020 .3529
.030 .8591

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 130

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(XEZA11)

ALPHA (2) = 19.441 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	.5991
.050	.5831
.060	.5718
.080	.4730
.100	.4195
.112	.3808
.150	.3202
.200	.2704
.300	.2735
.400	.2814
.500	.3020
.600	.3141
.700	.3119
.800	.2933
.850	.2484
.950	.1510
.975	.1483
1.004	-.0053
1.025	-.0125
1.050	.1111

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.3949
.005	1.6885
.010	1.3260
.020	.0104
.030	1.0515
.040	.8777
.050	.7454
.060	.6779
.080	.6279
.100	.5707
.112	.5239
.150	.4439
.200	.4010
.300	.4027
.400	.4216
.500	.4425
.600	.4564

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 131

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA11)

ALPHA (3) = 25.000 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.4541
.800	.4213
.850	.3636
.950	.2246
.975	.2178
1.004	.0043
1.025	-.0114
1.050	.1853

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	1.2058
.005	1.7513
.010	1.3292
.020	.6484
.030	1.2303
.040	1.0426
.050	.9198
.060	.7743
.080	.8170
.100	.7523
.112	.6956
.150	.6099
.200	.5539
.300	.5695
.400	.5914
.500	.6050
.600	.6200
.700	.6337
.800	.5988
.850	.5218
.950	.3486
.975	.3522
1.004	.0045
1.025	-.0151
1.050	.2972

REPRODUCIBILITY OF THE
ORIGINAL DATA IS POOR

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA11)

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9961
.005	1.8174
.010	1.6264
.020	.0124
.030	1.3864
.040	1.2188
.050	1.1052
.060	1.0509
.080	1.0101
.100	.9443
.112	.8822
.150	.7844
.200	.7504
.300	.7590
.400	.7687
.500	.7848
.600	.7922
.700	.8154
.800	.7808
.850	.6915
.950	.4929
.975	.4944
1.004	.0171
1.015	-.0104
1.050	.4410

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8234
.005	1.8416
.010	1.5511
.020	.9500
.030	1.5300
.040	1.3733
.050	1.2799
.060	1.0931
.080	1.1873
.100	1.1009
.112	1.0292
.150	.9433

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 133

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA11)

ALPHA (6) = 39.946 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.200	.9221
.300	.9305
.400	.9346
.500	.9558
.600	.9651
.700	.9955
.800	.9669
.850	.8557
.950	.6486
.975	.6396
1.004	.0181
1.025	-.0102
1.050	.6061

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6639
.005	1.7854
.010	1.7238
.020	.0510
.030	1.6187
.040	1.5082
.050	1.4346
.060	1.3903
.080	1.3446
.100	1.2586
.112	1.1851
.150	1.0988
.200	1.0929
.300	1.0896
.400	1.0867
.500	1.1083
.600	1.1132
.700	1.1504
.800	1.1202
.850	1.0123
.950	.8043
.975	.7995
1.004	.0330
1.025	-.0023

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 134

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(XEZA11)

ALPHA (7) = 44.081 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
1.050 .7930

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1297 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.000 .5433
.005 1.7537
.010 1.7293
.020 .0605
.030 1.6829
.040 1.5918
.050 1.5406
.060 1.4951
.080 1.4517
.100 1.3790
.112 1.3145
.150 1.2404
.200 1.2375
.300 1.2245
.400 1.2406
.500 1.2483
.600 1.2696
.700 1.2979
.800 1.2583
.850 1.1558
.950 .9660
.975 .9785
1.004 .0377
1.025 -.0002
1.050 .9837

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 135

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(YEZA03) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12670 CPSTAG = 1.8301

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.4945
.005 1.5245
.010 1.0127
.020 .3747
.030 .8498
.040 .6847
.050 .5786
.060 .5064
.080 .4701
.100 .4184
.112 .3795
.150 .3199
.200 .2603
.300 .2618
.400 .2744
.500 .2901
.600 .2998
.700 .3018
.800 .2789
.850 .2412
.950 .1441
.975 .1364
1.004 -.0044
1.025 -.0163
1.050 .1059

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.2094
.005 1.7404
.010 1.2636
.020 .4920
.030 1.2216

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 136

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(YEZA03)

ALPHA (2) = 29.494 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.0434
.050	.9165
.060	.8168
.080	.8127
.100	.7498
.112	.6948
.150	.6100
.200	.5589
.300	.5666
.400	.5869
.500	.5983
.600	.6091
.700	.6225
.800	.5882
.850	.5150
.950	.3460
.975	.3393
1.004	.0028
1.025	.2857
1.050	.2888

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1 8256

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.9896
.005	1.7962
.010	1.4895
.020	.8338
.030	1.3635
.040	1.1837
.050	1.0912
.060	1.0123
.080	.9949
.100	.9238
.112	.8625
.150	.7737
.200	.7343
.300	.7336
.400	.7449
.500	.7626
.600	.7730

DATE 14 NOV 75

TABULATED SOURCE DATA~ OH38 (ARC 3.5-198)

PAGE 137

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(YEZA03)

ALPHA (3) = 34.774 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.700	.8026
.800	.7664
.850	.6748
.950	.4803
.975	.4742
1.004	.0115
1.025	-.0117
1.050	.4282

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) BOTTOM CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.8241
.005	1.8234
.010	1.5213
.020	.8311
.030	1.5142
.040	1.3634
.050	1.2691
.060	1.1422
.080	1.1741
.100	1.0890
.112	1.0217
.150	.9377
.200	.9216
.300	.9279
.400	.9301
.500	.9612
.600	.9638
.700	.9920
.800	.9592
.850	.8547
.950	.6468
.975	.6356
1.004	.0143
1.025	.5597
1.050	.5735

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 138

ARC 3.5-198 OH3B 140C ORB BOTTOM CENTER LINE

(YEZA03) -

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG * 1.8291

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000	.6827
.005	1.7883
.010	1.6093
.020	.9824
.030	1.6029
.040	1.4818
.050	1.4177
.060	1.3330
.080	1.3257
.100	1.2302
.112	1.1599
.150	1.0779
.200	1.0634
.300	1.0596
.400	1.0587
.500	1.0821
.600	1.1021
.700	1.1344
.800	1.1165
.850	.9913
.950	.7867
.975	.7727
1.004	.0222
1.025	-.0053
1.050	.7318

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 139

ARC 3.5-198 OH38 140C ORB BOTTOM CENTER LINE

(YEZA04) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 1.1595
.005 1.7378
.010 1.3396
.020 .6879
.030 1.2379
.040 1.0587
.050 .9285
.060 .5659
.080 8321
.100 .7708
.112 .7112
.150 .6295
.200 .5902
.300 .6031
.400 .6104
.500 .6340
.600 .1578
.700 .6704
.800 .1801
.850 .5564
.950 .3623
.975 .3508
1.004 .0004
1.025 .2985
1.050 .3013

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.000 .7657
.005 1.7920
.010 1.5154
.020 .8926
.030 1.5283

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 140

ARC 3.5-198 OH38 140C DRB BOTTOM CENTER LINE

(YEZA04)

ALPHA (2) = 39.926 MACH (1) = 7.320

SECTION (1) BOTTOM CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.040	1.3890
.050	1.3033
.060	.9203
.080	1.2148
.100	1.1236
.112	1.0394
.150	.9691
.200	.9463
.300	.9316
.400	.9459
.500	.9694
.600	.9773
.700	1.0145
.800	1.0159
.850	.8907
.950	.6612
.975	.6451
1.004	.0082
1.025	.5639
1.050	.5794

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 141

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB01) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0000
.030 .4501
.060 .0555
.080 .3018
.100 .1474
.130 .2992
.160 .4530
.170 .0000
.180 .5334
.190 .5334
.200 .5336
.250 .0000
.300 .0129
.500 -.0067
.600 .1543
.700 .2691
.775 .4406
.800 .4661
.825 .3403

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1470
.030 .0517
.060 .0240
.080 .0227
.100 .0173
.130 .0196
.160 .0916
.170 .0808
.180 .0865
.190 .0367
.200 .0062

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 142

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZ801)

ALPHA (2) = 29.899 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0100
.300	-.0110
.500	-.0107
.600	-.0117
.700	-.0104
.775	-.0087
.800	-.0077
.825	-.0052

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1199
.030	.0516
.060	.0000
.080	.0308
.100	.0275
.130	.0327
.160	.1141
.170	.0833
.180	.0892
.190	.0416
.200	.0140
.250	.0014
.300	.0011
.500	.0000
.600	.0018
.700	.0027
.775	.0049
.800	.0065
.825	.0088

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 143

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.9301 P = .12880 CPSTAG = 1.8305

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0789
.030	.0262
.060	.0153
.080	.0130
.100	.0105
.130	.0096
.160	.1003
.170	.0757
.180	.0691
.190	.0241
.200	-.0026
.250	-.0121
.300	-.0121
.500	-.0088
.600	-.0117
.700	-.0113
.775	-.0099
.800	-.0090
.825	-.0065

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3 5-198)

PAGE 144

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB02) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15 667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0000
.030 .0992
.060 .0520
.080 .0582
.100 .0292
.130 .0420
.160 .0812
.170 .1408
.180 .1710
.190 .0992
.200 .0436
.250 -.0040
.300 -.0051
.500 -.0102
.600 -.0038
.700 -.0095
.775 -.0118
.800 -.0130
.825 -.0044

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1296
.030 .0414
.060 .0179
.080 .0167
.100 .0130
.130 .0179
.160 .0875
.170 .0817
.180 .0795
.190 .0266
.200 -.0014

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 145

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZ802)

ALPHA (2) = 30.030 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0152
.300	-.0151
.500	-.0163
.600	-.0152
.700	-.0149
.775	-.0119
.800	-.0094
.825	-.0056

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0560
.030	.0178
.060	.0107
.080	.0105
.100	.0100
.130	.0063
.160	.0081
.170	.0989
.180	.0600
.190	.0164
.200	-.0073
.250	-.0154
.300	-.0151
.500	-.0118
.600	-.0138
.700	-.0130
.775	-.0121
.800	-.0101
.825	-.0077

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 146

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .3106
.030 .1373
.060 .0559
.080 .0730
.100 .0631
.130 .0755
.160 .0871
.170 .1360
.180 .1695
.190 .1001
.200 .0501
.250 .0186
.300 .0170
.500 .0106
.600 .0139
.700 .2968
.775 .0376
.800 .0212
.825 .0223

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2250
.030 .1015
.060 .0371
.080 .0573
.100 .0493
.130 .0522
.160 .0895
.170 .1101
.180 .1205
.190 .0719
.200 .0413

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 147

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB03)

ALPHA (2) = 24.999 MACH (1) = 7.320,

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0163
.300	.0150
.500	-.0129
.600	.0113
.700	.1575
.775	.0339
.800	.0203
.825	.0207

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1728
.030	.0809
.060	.0238
.080	.0515
.100	.0460
.130	.0484
.160	.1190
.170	.1091
.180	.1146
.190	.0646
.200	.0349
.250	.0181
.300	.0170
.500	-.0148
.600	.0168
.700	.1814
.775	.0339
.800	.0236
.825	.0242

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 148

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1279
.030	.0657
.060	.0180
.080	.0457
.100	.0416
.130	.0480
.160	.1270
.170	.0994
.180	.1040
.190	.0567
.200	.0288
.250	.0158
.300	.0157
.500	-.0144
.600	.0167
.700	.1019
.775	.0278
.800	.0226
.825	.0250

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1023
.030	.0562
.060	.0213
.080	.0465
.100	.0398
.130	.0409
.160	.1302
.170	.1049
.180	.1000
.190	.0535
.200	.0287
.250	.0178
.300	.0169
.500	-.0088
.600	.0192
.700	.0650
.775	.0257
.800	.0234

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 149

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB03)

ALPHA (5) = 39.806 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.825 .0242

DATE 14 NOV 75

TABULATED SOURCE DATA OH36 (ARC 3.5-198)

PAGE 150

ARC 3.5-198 OH36 140C ORB TOP CENTER LINE

(REZ804) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0000
 .030 .0652
 .060 .0506
 .080 -.0276
 .100 -.1061
 .130 -.2034
 .160 -.1876
 .170 -.1381
 .180 -.1020
 .190 -.1696
 .200 -.1728
 .250 -.2601
 .300 -.2709
 .500 -.0140
 .600 -.2747
 .700 -.1007
 .775 -.2331
 .800 -.2664
 .825 -.2639

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1896
 .030 .0690
 .060 -.4586
 .080 .0319
 .100 .0256
 .130 .0289
 .160 .0846
 .170 .1032
 .180 .1108
 .190 .0510
 .200 .0153

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 151

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB04)

ALPHA (2) = 25.260 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0058
.300	-.0057
.500	-.5041
.600	-.0067
.700	-.0067
.775	-.0042
.800	-.0039
.825	.0003

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.9299

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	1383
.030	0513
.060	-.4899
.080	.0274
.100	.0236
.130	0294
.160	0975
.170	0905
.180	0899
.190	.0370
.200	.0099
.250	-.0039
.300	-.0038
.500	-.5277
.600	-.0044
.700	-.0030
.775	-.0027
.800	.0013
.825	.0048

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 152

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0871
.030	.0275
.060	.0129
.080	.0131
.100	.0123
.130	.0201
.160	.0921
.170	.0804
.180	.0762
.190	.0251
.200	-.0024
.250	-.0146
.300	-.0158
.500	-.0155
.600	-.0129
.700	-.0123
.775	-.0124
.800	-.0095
.825	-.0072

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0538
.030	.0146
.060	.0120
.080	.0079
.100	.0083
.130	.0040
.160	.0584
.170	.1069
.180	.0674
.190	.0139
.200	-.0100
.250	-.0179
.300	-.0176
.500	-.0119
.600	-.0165
.700	-.0151
.775	-.0151
.800	-.0149

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 153

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB04)

ALPHA (5) = 39.693 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.925 -.0114

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 154

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB05) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1804
.030 .0915
.050 .0557
.080 .0615
.100 .0560
.130 .0590
.160 .1270
.170 .1124
.180 .1217
.190 .0733
.200 .0445
.250 .0292
.300 .0277
.500 -.0025
.600 .0270
.700 .0285
.775 .0301
.800 .0305
.825 .0347

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .3103
.030 .1510
.060 .0629
.080 .0885
.100 .0769
.130 .0874
.160 .1005
.170 .1355
.180 .1630
.190 .1080
.200 .0636

DATE 14 NOV 75

TABULATED SOURCE DATA QM38 (ARC 3.5-198)

PAGE 155

ARC 3.5-198 QM38 140C ORB TOP CENTER LINE

(REZB05)

ALPHA (2) = 19.688 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0345
.300	.0343
.500	-.0024
.600	.0293
.700	.0280
.775	.0331
.800	.0346
.825	.0373

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1115
.030	.0633
.060	.0125
.080	.0508
.100	.0500
.130	.0520
.160	.1177
.170	.1449
.190	.1129
.190	.0612
.200	.0354
.250	.0272
.300	.0260
.500	-.0101
.600	.0271
.700	.0285
.775	.0283
.800	.0288
.825	.0288

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 156

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB06) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2906
.030 .1183
.060 .0486
.080 .0580
.100 .0488
.130 .0596
.160 .0744
.170 .1356
.180 .1644
.190 .0859
.200 .0359
.250 .0069
.300 .0051
.500 -.0142
.600 .0030
.700 .0030
.775 .0049
.800 .0059
.825 .0083

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1314
.030 .0450
.060 .0174
.080 .0186
.100 .0143
.130 .0196
.160 .0873
.170 .0818
.180 .0810
.190 .0298
.200 .0014

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 157

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZ806)

ALPHA (2) = 29.831 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0142
.300	-.0140
.500	-.0204
.600	-.0139
.700	-.0140
.775	-.0099
.800	-.0079
.825	-.0040

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 8.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0678
.030	.0298
.060	.0058
.080	.0227
.100	.0227
.130	.0199
.160	.0801
.170	.1086
.180	.1070
.190	.0318
.200	.0048
.250	-.0033
.300	-.0028
.500	-.0164
.600	-.0020
.700	-.0008
.775	-.0001
.800	.0015
.825	.0035

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 158

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .3150
.030 .1554
.060 .0577
.080 .0931
.100 .0819
.130 .0917
.160 .1089
.170 .1444
.180 .1690
.190 .1144
.200 .0705
.250 .0389
.300 .0367
.500 -.0090
.600 .0334
.700 .0331
.775 .0376
.800 .0396
.825 .0418

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1826
.030 .0967
.060 .0248
.080 .0676
.100 .0618
.130 .0650
.160 .1352
.170 .1199
.180 .1280
.190 .0783
.200 .0510

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 159

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB07)

ALPHA (2) = 29.758 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L	
.250	.0329
.300	.0322
.500	-.0141
.600	.0323
.700	.0331
.775	.0357
.800	.0371
.825	.0393

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L	
.010	.1120
.030	.0680
.060	.0096
.080	.0562
.100	.0554
.130	.0569
.160	.1210
.170	.1489
.180	.1159
.190	.0672
.200	.0425
.250	.0327
.300	.0311
.500	-.0145
.600	.0324
.700	.0336
.775	.0351
.800	.0362
.825	.0378

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 160

ARC 3.5-198 OH38 1400 ORB TOP CENTER LINE

(REZB08) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0505
.030 -.1210
.060 .0492
.080 -.1822
.100 -.1911
.130 -.1801
.160 -.1654
.170 -.1062
.180 -.0767
.190 -.1539
.200 -.2037
.250 -.2336
.300 -.2350
.500 -.0130
.600 -.2376
.700 -.2373
.775 -.2352
.800 -.2344
.825 -.2315

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .1487
.030 .0618
.060 .0156
.080 .0361
.100 .0320
.130 .0371
.160 .1068
.170 .1008
.180 .0991
.190 .0463
.200 .0184

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 161

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB08)

ALPHA (2) = 29.917 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0039
.300	.0040
.500	-.0213
.600	.0039
.700	.0050
.775	.0075
.800	.0097
.825	.0140

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .20150 CPSTAG = 1.9296

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0699
.030	.0317
.060	.0115
.080	.0248
.100	.0248
.130	.0219
.160	.0822
.170	.1090
.180	.1081
.190	.0339
.200	.0067
.250	-.0013
.300	-.0008
.500	-.0112
.600	.0000
.700	.0013
.775	.0020
.800	.0035
.825	.0054

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 162

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .3171
.030 .1533
.050 .0566
.080 .0902
.100 .0794
.130 .0898
.150 .1061
.170 .1456
.180 .1718
.190 .1136
.200 .0674
.250 .0357
.300 .0337
.500 -.0111
.600 .0301
.700 .0297
.775 .0347
.800 .0362
.825 .0387

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2432
.030 .1194
.050 .0351
.080 .0742
.100 .0670
.130 .0698
.160 .1107
.170 .1389
.180 .1481
.190 .0940
.200 .0569

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 163

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB09)

ALPHA (2) = 24.974 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0331
.300	.0318
.500	-.0150
.600	.0282
.700	.0303
.775	.0342
.800	.0355
.825	.0371

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1414
.030	.0593
.060	.0281
.080	.0296
.100	.0239
.130	.0268
.160	.0956
.170	.0787
.180	.0879
.190	.0397
.200	.0116
.250	-.0055
.300	-.0059
.500	-.0102
.600	-.0061
.700	-.0050
.775	-.0025
.800	-.0015
.825	.0013

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 164

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0994
.030	.0413
.060	.0184
.080	.0224
.100	.0195
.130	.0258
.160	.1068
.170	.0790
.180	.0816
.190	.0351
.200	.0066
.250	-.0063
.300	-.0073
.500	-.0117
.600	-.0061
.700	-.0045
.775	-.0028
.800	-.0006
.825	.0019

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0692
.030	.0293
.060	.0107
.080	.0180
.100	.0174
.130	.0182
.160	.0819
.170	.1119
.180	.0775
.190	.0295
.200	.0034
.250	-.0057
.300	-.0059
.500	-.0129
.600	-.0057
.700	-.0045
.775	-.0030
.800	-.0018

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 165

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB09)

ALPHA (5) = 40.056 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 .0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 166

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB10) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BOFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2805
.030 .1152
.060 .0494
.080 .0560
.100 .0468
.130 .0578
.160 .0757
.170 .1226
.180 .1623
.190 .0841
.200 .2244
.250 .0184
.300 .0057
.500 -.0131
.600 .0019
.700 .0025
.775 .2644
.800 .0195
.825 .0090

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2033
.030 .0812
.060 .0293
.080 .0418
.100 .0353
.130 .0386
.160 .0944
.170 .1016
.180 .1194
.190 .0617
.200 .2543

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 167

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB10)

ALPHA (2) = 24.900 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0194
.300	.0047
.500	-.0180
.600	.0007
.700	.0025
.775	.0000
.800	.0211
.825	.0101

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1480
.030	.0606
.060	.0174
.080	.0345
.100	.0302
.130	.0350
.160	.1047
.170	.1001
.180	.0982
.190	.0451
.200	.0414
.250	.0046
.300	.0030
.500	-.0180
.600	.0023
.700	.0030
.775	.0091
.800	.0078
.825	.0112

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 168

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1043
.030	.0460
.060	.0181
.080	.0304
.100	.0293
.130	.0374
.160	.1081
.170	.0987
.180	.0933
.190	.0432
.200	.0164
.250	.0045
.300	.0031
.500	-.0121
.600	.0043
.700	.0046
.775	.0050
.800	.0076
.825	.0100

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0736
.030	.0356
.060	.0057
.080	.0289
.100	.0289
.130	.0261
.160	.0814
.170	.1168
.180	.1084
.190	.0356
.200	.0107
.250	.0028
.300	.0028
.500	-.0178
.600	.0041
.700	.0050
.775	.0060
.800	.0061

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 169

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB10)

ALPHA (5) = 39.974 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 .0093

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 170

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2842
.030 .1270
.060 .0627
.080 .0649
.100 .0540
.130 .0640
.160 .0814
.170 .1058
.180 .1348
.190 .0836
.200 .2333
.250 .0259
.300 .0103
.500 -.0055
.600 .0051
.700 .0050
.775 .3933
.800 .0371
.825 .0153

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1538
.030 .0690
.060 .0296
.080 .0391
.100 .0336
.130 .0368
.160 .1022
.170 .0903
.180 .0952
.190 .0480
.200 .3187

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 171

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB11)

ALPHA (2) = 29.598 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0205
.300	.0073
.500	-.0117
.600	.0038
.700	.0047
.775	.5586
.800	.0432
.825	.0136

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0820
.030	.0385
.060	.0127
.080	.0265
.100	.0262
.130	.0278
.160	.1058
.170	.0811
.180	.0825
.190	.0376
.200	.4799
.250	.0358
.300	.0061
.500	-.0128
.600	.0040
.700	.0052
.775	.6146
.800	.0486
.825	.0142

REPRODUCIBILITY OF THE
ADDITIONAL DATA IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 172

ARC 3.5-198 OH38 1400 ORB TOP CENTER LINE

(REZB12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BOFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2822
 .030 .1204
 .060 .0586
 .080 .0571
 .100 .0455
 .130 .0559
 .160 .0714
 .170 .1008
 .180 .1317
 .190 .0774
 .200 .0823
 .250 .0066
 .300 .0008
 .500 -.0090
 .600 -.0029
 .700 -.0040
 .775 .1520
 .800 .0154
 .825 .0064

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2037
 .030 .0840
 .060 .0000
 .080 .0402
 .100 .0320
 .130 .0351
 .160 .0745
 .170 .0887
 .180 .1030
 .190 .0551
 .200 .0975

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 173

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB12)

ALPHA (2) = 24.857 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0051
.300	-.0021
.500	.0000
.600	-.0058
.700	-.0036
.775	.2136
.800	.0183
.825	.0048

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1494
.030	.0601
.060	.0237
.080	.0296
.100	.0242
.130	.0269
.160	.0967
.170	.0767
.180	.0934
.190	.0436
.200	.1267
.250	.0067
.300	-.0032
.500	-.0154
.600	-.0047
.700	-.0042
.775	.3045
.800	.0228
.825	.0046

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 174

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1310
.030	.0692
.060	.0201
.080	.0500
.100	.0477
.130	.0537
.160	.1346
.170	.1113
.180	.1089
.190	.0623
.200	.1665
.250	.0337
.300	.0221
.500	-.0144
.600	.0223
.700	.0239
.775	.3073
.800	.0489
.825	.0323

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1023
.030	.0574
.060	.0125
.080	.0456
.100	.0450
.130	.0456
.160	.1124
.170	.1262
.180	.0974
.190	.0544
.200	.2139
.250	.0372
.300	.0228
.500	-.0145
.600	.0229
.700	.0241
.775	.4169
.800	.0531

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 175

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB12)

ALPHA (5) = 40.004 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.925 .0310

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 176

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB13) (27 SEP 74)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BOFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
 .010 .0000
 .030 .1015
 .060 .0504
 .080 .0429
 .100 .0332
 .130 .0431
 .160 .0543
 .170 .1021
 .180 .1361
 .190 .0661
 .200 .0879
 .250 - .0041
 .300 -.0095
 .500 -.0163
 .600 -.0125
 .700 -.0110
 .775 .1859
 .800 .0010
 .825 - .0059

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
 .010 .0000
 .030 .0000
 .060 .0271
 .080 .0268
 .100 .0200
 .130 .0237
 .160 .0764
 .170 .0941
 .180 .1027
 .190 .0468
 .200 .1152

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 177

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB13)

ALPHA (2) = 24.903 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0044
.300	-.0113
.500	-.0221
.600	-.0146
.700	-.0127
.775	.2363
.800	.0042
.825	-.0047

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5997 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1214
.030	.0423
.060	.0195
.080	.0174
.100	.0136
.130	.0217
.160	.0830
.170	.0763
.180	.0725
.190	.0251
.200	.0665
.250	-.0089
.300	-.0142
.500	-.0181
.600	-.0151
.700	-.0140
.775	.0000
.800	.0025
.825	-.0052

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 178

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0871
.030	.0281
.060	.0106
.080	.0120
.100	.0111
.130	.0190
.160	.0909
.170	.0825
.180	.0763
.190	.0249
.200	.0902
.250	-.0080
.300	-.0157
.500	-.0195
.600	-.0139
.700	-.0139
.775	.0000
.800	.0031
.825	-.0070

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0724
.030	.0321
.060	.0084
.080	.0253
.100	.0265
.130	.0233
.160	.0797
.170	.1101
.180	.1043
.190	.0351
.200	.0453
.250	.0035
.300	.0001
.500	-.0169
.600	.0017
.700	.0033
.775	.1655
.800	.0153

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 179

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB13)

ALPHA (5) = 39.964 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

SL .0000

X/L
.825 .0082

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 180

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB14) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .2613
.030 .1026
.060 .0559
.080 .0395
.100 .0288
.130 .0387
.160 .0561
.170 .0862
.180 .1162
.190 .0611
.200 .0566
.250 -.0106
.300 -.0158
.500 -.0106
.600 -.0193
.700 -.0198
.775 .0826
.800 -.0039
.825 -.0095

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .1273
.030 .0432
.060 .0219
.080 .0142
.100 .0090
.130 .0124
.160 .0788
.170 .0659
.180 .0724
.190 .0251
.200 .0702

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 181

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB14)

ALPHA (2) = 29.553 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0131
.300	-.0204
.500	-.0176
.600	-.0209
.700	-.0197
.775	.1218
.800	-.0024
.825	-.0114

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0548
.030	.0139
.060	.0063
.080	.0018
.100	.0016
.130	.0029
.160	.0692
.170	.0668
.180	.0566
.190	.0114
.200	.0990
.250	.0108
.300	.0205
.500	.0170
.600	.0206
.700	.0191
.775	.1764
.800	.0003
.825	-.0126

REPRODUCIBILITY OF THE
ORIGINAL PART IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 182

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZ015) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPOBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3393 P = .24900 CPSTAG = 1.8268

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0000
.030 .1026
.060 .0538
.080 .0432
.100 .0340
.130 .0438
.160 .0540
.170 .1032
.180 .1376
.190 .0673
.200 .0986
.250 -.0028
.300 -.0089
.500 -.0156
.600 -.0122
.700 -.0106
.775 .2152
.800 .0037
.825 -.0051

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1334
.030 .0454
.060 .0145
.080 .0187
.100 .0144
.130 .0200
.160 .0849
.170 .0816
.180 .0807
.190 .0283
.200 .1335

42

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 183

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB15)

ALPHA (2) = 29.623 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0042
.300	-.0126
.500	-.0239
.600	-.0142
.700	-.0126
.775	.0000
.800	.0062
.825	-.0025

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0757
.030	.0369
.060	.0048
.080	.0298
.100	.0301
.130	.0260
.160	.0818
.170	.1163
.180	.0948
.190	.0366
.200	.0881
.250	.0093
.300	.0035
.500	-.0193
.600	.0047
.700	.0061
.775	.0000
.800	.0229
.825	.0126

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 184

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB16) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2697
 .030 .1058
 .060 .0606
 .080 .0413
 .100 .0298
 .130 .0398
 .160 .0573
 .170 .0930
 .180 .1195
 .190 .0635
 .200 .0163
 .250 -.0118
 .300 -.0140
 .500 -.0108
 .600 -.0169
 .700 -.0171
 .775 -.0142
 .800 -.0130
 .825 -.0108

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1878
 .030 .0690
 .060 .0386
 .080 .0243
 .100 .0165
 .130 .0197
 .160 .0516
 .170 .0742
 .180 .0891
 .190 .0387
 .200 .0044

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 185

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB16)

ALPHA (2) = 24.797 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0153
.300	-.0174
.500	-.0151
.600	-.0189
.700	-.0182
.775	-.0156
.800	-.0138
.825	-.0131

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1310
.030	.0437
.060	.0238
.080	.0134
.100	.0084
.130	.0108
.160	.0641
.170	.0681
.180	.0845
.190	.0254
.200	-.0033
.250	-.0162
.300	-.0174
.500	-.0165
.600	-.0184
.700	-.0178
.775	-.0164
.800	-.0155
.825	-.0140

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 186

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0864
.030	.0297
.060	.0176
.080	.0104
.100	.0072
.130	.0128
.160	.0859
.170	.0553
.180	.0655
.190	.0177
.200	-.0079
.250	-.0181
.300	-.0188
.500	-.0136
.600	-.0174
.700	-.0162
.775	-.0150
.800	-.0127
.825	-.0102

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0235
.030	.0059
.060	.0023
.080	.0002
.100	-.0050
.130	-.0078
.160	.0408
.170	.0805
.180	.0447
.190	.0018
.200	-.0121
.250	-.0196
.300	-.0193
.500	-.0118
.600	-.0169
.700	-.0120
.775	-.0098
.800	-.0078

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 187

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB16)

ALPHA (5) = 48.717 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 -.0028

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 188

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2691
.030 .1065
.060 .0621
.080 .0418
.100 .0301
.130 .0397
.160 .0580
.170 .0939
.180 .1200
.190 .0637
.200 .0175
.250 -.0131
.300 -.0152
.500 -.0100
.600 -.0177
.700 -.0188
.775 -.0143
.800 -.0130
.825 -.0102

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 C = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1292
.030 .0441
.060 .0000
.080 .0143
.100 .0090
.130 .0122
.160 .0662
.170 .0605
.180 .0787
.190 .0244
.200 -.0030

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 189

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB17)

ALPHA (2) = 29.665 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0175
.300	-.0194
.500	.0000
.600	-.0189
.700	-.0185
.775	-.0166
.800	-.0150
.825	-.0136

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0546
.030	.0150
.060	.0097
.080	.0024
.100	.0019
.130	.0026
.160	.0674
.170	.0894
.180	.0522
.190	.0115
.200	-.0079
.250	-.0168
.300	-.0181
.500	-.0140
.600	-.0183
.700	-.0166
.775	-.0169
.800	-.0160
.825	-.0144

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 190

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 R = .31800-01 CPSTAG = 1.8415

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .3705
 .030 .1701
 .060 .0943
 .080 .0799
 .100 .0621
 .130 .0727
 .160 .0948
 .170 .1513
 .180 .2157
 .190 .1300
 .200 .0588
 .250 .0100
 .300 .0039
 .500 .0045
 .600 .0013
 .700 -.0010
 .775 -.0008
 .800 .0009
 .825 .0054

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2785
 .030 .1234
 .060 .0638
 .080 .0558
 .100 .0446
 .130 .0505
 .160 .0680
 .170 .1001
 .180 .1273
 .190 .0760
 .200 .0328

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 191

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB18)

ALPHA (2) = 19.668 MACH (1) = 10.290

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0060
.300	.0031
.500	.0016
.600	-.0001
.700	-.0005
.775	.0003
.800	.0025
.825	.0047

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	1985
.030	.0864
.060	1.8792
.080	.0387
.100	.0301
.130	.0313
.160	.0485
.170	.0649
.180	.0734
.190	.0423
.200	.0166
.250	-.0007
.300	-.0024
.500	1.8307
.600	-.0046
.700	-.0044
.775	-.0024
.800	-.0009
.825	.0013

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB18)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1449
.030	.0626
.060	1.8672
.080	.0292
.100	.0223
.130	.0222
.160	.0524
.170	.0625
.180	.0624
.190	.0373
.200	.0090
.250	-.0033
.300	-.0039
.500	1.8296
.600	-.0044
.700	-.0044
.775	-.0033
.800	-.0022
.825	.0027

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1004
.030	.0390
.060	1.8627
.080	.0178
.100	.0153
.130	.0159
.160	.0746
.170	.0603
.180	.0525
.190	.0233
.200	.0036
.250	-.0031
.300	-.0038
.500	1.8370
.600	-.0041
.700	-.0032
.775	.0029
.800	-.0007

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 193

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB18)

ALPHA (5) = 34.915 MACH (1) = 10.290

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.825 0012

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0786

.030 .0394

.060 1.8526

.080 .0217

.100 .0164

.130 .0159

.160 .0711

.170 .0616

.180 .0458

.190 .0206

.200 .0055

.250 -.0010

.300 -.0018

.500 1.8284

.600 -.0016

.700 -.0012

.775 .0011

.800 .0025

.825 .0050

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0577

.030 .0297

.060 1.9668

.080 .0164

.100 .0132

.130 .0118

.160 .0569

.170 .0703

.180 .0447

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 194

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB18)

ALPHA (7) = 44.248 MACH (1) = 10.290

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.190	.0178
.200	.0036
.250	-.0004
.300	.0002
.500	1.9553
.600	.0025
.700	.0050
.775	.0058
.800	.0064
.825	.0079

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 195

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZ819) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2608
.030 .1152
.060 .0643
.080 .0507
.100 .0388
.130 .0463
.160 .0617
.170 .0880
.180 .1104
.190 .0671
.200 .4184
.250 .0338
.300 .0026
.500 .0022
.600 -.0035
.700 -.0054
.775 -.0031
.800 -.0009
.825 .0019

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1917
.030 .0798
.060 .0439
.080 .0323
.100 .0274
.130 .0293
.160 .0491
.170 .0724
.180 .0846
.190 .0474
.200 .6816

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 196

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB19)

ALPHA (2) = 24.815 MACH (1) = 10.290

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0507
.300	.0038
.500	.0004
.600	-.0040
.700	-.0041
.775	-.0019
.800	-.0011
.825	.0018

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1370
.030	.0578
.060	.0332
.080	.0278
.100	.0211
.130	.0209
.160	.0533
.170	.0657
.180	.0664
.190	.0310
.200	.5102
.250	.0392
.300	.0013
.500	-.0012
.600	-.0031
.700	-.0032
.775	-.0030
.800	-.0014
.825	.0031

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 197

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0915
.030	.0355
.060	.0234
.080	.0166
.100	.0142
.130	.0149
.160	.0729
.170	.0686
.180	.0599
.190	.0248
.200	.8657
.250	.0602
.300	.0027
.500	-.0011
.600	-.0032
.700	-.0036
.775	-.0028
.800	-.0006
.825	.0011

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0685
.030	.0311
.060	-.0277
.080	.0177
.100	.0135
.130	.0127
.160	.0684
.170	.0622
.180	.0498
.190	.0211
.200	.5394
.250	.0437
.300	.0039
.500	-.0140
.600	.0004
.700	.0004
.775	.0028
.800	.0046

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 198

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB19)

ALPHA (5) = 39.975 MACH (1) = 10.290

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.825 .0082

ALPHA (6) = 44.187 MACH (1) = 10.290 , RN/L = 1.6079 Q = 2.3391 , ~P = .31600-01 CPSTAG = 1.8421

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1355

.030 .0575

.060 -.0319

.080 0.183

.100 .0136

.130 .0119

.160 .0603

.170 .0731

.180 .0510

.190 .0197

.200 .9165

.250 .0635

.300 .0042

.500 -.0161

.600 -.0006

.700 .0015

.775 .0050

.800 .0077

.825 .0132

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 199

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB20) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .2521
.030 .1082
.060 .0623
.080 .0439
.100 .0318
.130 .0369
.160 .0536
.170 .0787
.180 .0997
.190 .0587
.200 .0211
.250 .0013
.300 .0052
.500 .0038
.600 .0068
.700 .0041
.775 .0078
.800 .0061
.825 .0038

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .1812
.030 .0680
.060 .0409
.080 .0218
.100 .0166
.120 .0184
.140 .0411
.170 .0642
.180 .0774
.190 .0391
.200 .0095

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 200

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB20)

ALPHA (2) = 24.851 MACH (1) = 10.290

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0014
.300	-.0039
.500	-.0038
.600	-.0046
.700	-.0028
.775	-.0052
.800	-.0049
.825	-.0041

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1481
.030	.0645
.060	.0360
.080	.0324
.100	.0258
.130	.0254
.160	.0600
.170	.0725
.180	.0724
.190	.0363
.200	.0129
.250	.0011
.300	.0002
.500	-.0012
.600	-.0005
.700	.0003
.775	.0004
.800	.0021
.825	.0068

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 201

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1031
.030	.0438
.060	.0256
.080	.0219
.100	.0193
.130	.0197
.160	.0804
.170	.0755
.180	.0655
.190	.0295
.200	.0081
.250	-.0004
.300	-.0005
.500	-.0008
.600	-.0011
.700	-.0008
.775	.0007
.800	.0026
.825	.0044

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0722
.030	.0335
.060	.0303
.080	.0187
.100	.0150
.130	.0155
.160	.0693
.170	.0627
.180	.0532
.190	.0227
.200	.0040
.250	-.0017
.300	-.0020
.500	.0082
.600	-.0014
.700	.0003
.775	.0018
.800	.0033

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 202

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB20)

ALPHA (5) = 39.932 MACH (1) = 10.290

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 .0067

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0549
.030 .0277
.060 .0250
.080 .0162
.100 .0129
.130 .0128
.160 .0662
.170 .0702
.180 .0549
.190 .0204
.200 .0022
.250 - .0036
.300 - .0031
.500 .0040
.600 - .0023
.700 .0016
.775 .0049
.800 .0076
.825 .0132

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 203

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
EDFLAP = 15 667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2759
.030 .1183
.060 .0602
.080 .0552
.100 .0437
.130 .0536
.160 .0708
.170 .1062
.180 .1295
.190 .0766
.200 .0301
.250 .0006
.300 -.0011
.500 -.0102
.600 -.0048
.700 -.0050
.775 .0004
.800 .0015
.825 .0044

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0000
.030 .0000
.060 .0000
.080 .0000
.100 .0000
.130 .0000
.160 .0000
.170 .0000
.180 .0000
.190 .0000
.200 .0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 204

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB30)

ALPHA (2) = 24.590 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0000
.300	.0000
.500	.0000
.600	.0000
.700	.0000
.775	.0000
.800	.0000
.825	.0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1 8292

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1913
.030	.0743
.060	.0379
.080	.0295
.100	.0213
.130	.0245
.160	.0573
.170	.0758
.180	.0879
.190	.0413
.200	.1631
.250	.0003
.300	-.0121
.500	-.0131
.600	-.0163
.700	-.0143
.775	-.0106
.800	-.0098
.825	-.0104

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 205

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZ830)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0682
.030	.0296
.060	.0099
.080	.0179
.100	.0158
.130	.0154
.160	.0978
.170	.0927
.180	.0738
.190	.0256
.200	.0238
.250	-.0033
.300	-.0068
.500	-.0166
.600	-.0052
.700	-.0020
.775	-.0023
.800	-.0013
.825	.0002

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0535
.030	.0233
.060	.0046
.080	.0164
.100	.0131
.130	.0102
.160	.0607
.170	.1023
.180	.0686
.190	.0207
.200	.0257
.250	-.0030
.300	-.0060
.500	-.0111
.600	-.0054
.700	.0024
.775	.0002
.800	.0009

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 206

ARC 3.5-199 OH38 140C ORB TOP CENTER LINE

(REZB30)

ALPHA (5) = 44.091 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 .0037

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0278
.030 .0066
.060 .0029
.080 .0005
.100 -.0042
.130 -.0068
.160 .0401
.170 .0831
.180 .0397
.190 .0027
.200 .4494
.250 .0147
.300 -.0146
.500 -.0144
.600 -.0156
.700 -.0118
.775 -.0092
.800 -.0068
.825 -.0020

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 207

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB31) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2619
.030 .0960
.060 .0497
.080 .0372
.100 .0274
.130 .0379
.160 .0497
.170 .1033
.180 .1309
.190 .0614
.200 .0096
.250 -.0140
.300 -.0150
.500 -.0151
.600 -.0176
.700 -.0160
.775 -.0151
.800 -.0139
.825 -.0115

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL 0000

X/L

.010 .1265
.030 .0391
.060 .0170
.080 .0129
.100 .0088
.130 .0141
.160 .0815
.170 .0771
.180 .0758
.190 .0234
.200 .0024

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 208

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB31)

ALPHA (2) = 29.712 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0187
.300	-.0188
.500	-.0214
.600	-.0196
.700	-.0189
.775	-.0161
.800	-.0145
.825	-.0112

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 209

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB32) (11 NOV 75.)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -40.117
ELEV-R = -39 717 SPDBRK = .000
BDFLAP = 000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .3593
.030 .1543
.060 .0899
.080 .0669
.100 .0497
.130 .0678
.160 .0810
.170 .1551
.180 .2344
.190 .1197
.200 .1471
.250 .0012
.300 .1154
.500 -.0072
.600 .0000
.700 -.0147
.775 -.0098
.800 -.0051
.825 .0050

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2694
.030 .1070
.060 .0562
.080 .0440
.100 .0330
.130 .0427
.160 .0576
.170 .0952
.180 .1198
.190 .0650
.200 .0158

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 210

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB32)

ALPHA (2) = 19.534 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0115
.300	-.0130
.500	-.0127
.600	-.0166
.700	-.0165
.775	-.0121
.800	-.0111
.825	-.0087

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1839
.030	.0716
.060	.0381
.080	.0273
.100	.0192
.130	.0221
.160	.0581
.170	.0766
.180	.0872
.190	.0402
.200	.1137
.250	-.0051
.300	-.0142
.500	-.0145
.600	-.0181
.700	-.0161
.775	-.0121
.800	-.0110
.825	-.0098

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 211

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1294
.030	.0459
.060	.0212
.080	.0167
.100	.0114
.130	.0147
.160	.0779
.170	.0671
.180	.0742
.190	.0273
.200	.0084
.250	-.0167
.300	-.0183
.500	-.0192
.600	-.0188
.700	-.0174
.775	-.0156
.800	-.0139
.825	-.0113

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0869
.030	.0287
.060	.0116
.080	.0098
.100	.0069
.130	.0138
.160	.0945
.170	.0682
.180	.0685
.190	.0225
.200	.0112
.250	-.0169
.300	-.0196
.500	-.0195
.600	-.0185
.700	-.0174
.775	-.0153
.800	-.0132

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DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 212

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB32)

ALPHA (5) = 34.863 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 -.0104

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0563
.030 .0174
.060 .0069
.080 .0060
.100 .0044
.130 .0056
.160 .0742
.170 .0993
.180 .0625
.190 .0140
.200 .2909
.250 .0039
.300 -.0179
.500 -.0153
.600 -.0182
.700 -.0172
.775 -.0155
.800 -.0141
.825 -.0119

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0374
.030 .0119
.060 .0067
.080 .0038
.100 .0006
.130 -.0023
.160 .0538
.170 .0899
.180 .0488

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 213

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB32)

ALPHA (7) = 44.152 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.190	.0068
.200	.1684
.250	-.0037
.300	-.0176
.500	-.0147
.600	-.0180
.700	-.0154
.775	-.0133
.800	-.0122
.825	-.0103

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0178
.030	.0007
.060	.0028
.080	-.0034
.100	-.0070
.130	-.0098
.160	.0306
.170	.0000
.180	.0000
.190	.0027
.200	.2813
.250	.0000
.300	.3182
.500	-.0121
.600	.0120
.700	-.0089
.775	.0000
.800	.0000
.825	.0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 214

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB33) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = 000
BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2608
.030 .1033
.060 .0550
.080 .0381
.100 .0280
.130 .0378
.160 .0529
.170 .1052
.180 .1315
.190 .0619
.200 .0088
.250 -.0131
.300 -.0138
.500 -.0124
.600 -.0168
.700 -.0152
.775 -.0141
.800 -.0133
.825 -.0105

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1756
.030 .0608
.060 .0310
.080 .0226
.100 .0160
.130 .0188
.160 .0637
.170 .0830
.180 .0929
.190 .0381
.200 .1600

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-19B)

PAGE 215

ARC 3.5-19B OH38 140C ORB TOP CENTER LINE

(REZB33)

ALPHA (2) = 24.599 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0051
.300	.1596
.500	-.0189
.600	-.0046
.700	-.0159
.775	-.0141
.800	-.0129
.825	-.0100

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0823
.030	.0246
.060	.0118
.080	.0089
.100	.0078
.130	.0154
.160	.0915
.170	.0753
.180	.0715
.190	.0207
.200	.2552
.250	-.0023
.300	.2695
.500	-.0189
.600	-.0001
.700	-.0154
.775	-.0159
.800	-.0133
.825	-.0106

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 216

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0502
.030	.0134
.060	.0057
.080	.0066
.100	.0070
.130	.0032
.160	.0575
.170	.0977
.180	.0786
.190	.0137
.200	-.0049
.250	-.0179
.300	-.0192
.500	-.0186
.600	-.0181
.700	-.0173
.775	-.0155
.800	-.0138
.825	-.0114

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 217

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB34) (11 NOV 75)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1 8292

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0000
.030 .0000
.060 .3531
.080 .0755
.100 .0622
.130 .0790
.160 .0802
.170 .1388
.180 .2260
.190 .1260
.200 .1329
.250 .0104
.300 -.0011
.500 .3151
.600 -.0020
.700 -.0040
.775 -.0002
.800 .0047
.825 .0173

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2637
.030 .1046
.060 .0559
.080 .0419
.100 .0304
.130 .0403
.160 .0576
.170 .0932
.180 .1171
.190 .0633
.200 .0126

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 218

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB34)

ALPHA (2) = 19.440 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0126
.300	-.0138
.500	-.0116
.600	-.0168
.700	-.0173
.775	-.0127
.800	-.0112
.825	-.0089

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1920
.030	.0757
.060	.0344
.080	.0321
.100	.0237
.130	.0270
.160	.0658
.170	.0867
.180	.0972
.190	.0470
.200	.2645
.250	.0089
.300	-.0091
.500	-.0166
.600	-.0137
.700	-.0118
.775	-.0076
.800	-.0065
.825	-.0049

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 219

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1273
.030	.0444
.060	.0232
.080	.0149
.100	.0102
.130	.0132
.160	.0813
.170	.0662
.180	.0740
.190	.0263
.200	.0016
.250	-.0177
.300	-.0188
.500	-.0167
.600	-.0192
.700	-.0182
.775	-.0158
.800	-.0148
.825	-.0121

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0923
.030	.0337
.060	.0134
.080	.0147
.100	.0119
.130	.0180
.160	.1005
.170	.0771
.180	.0743
.190	.0284
.200	.4334
.250	.0169
.300	-.0117
.500	-.0181
.600	-.0134
.700	-.0123
.775	-.0108
.800	-.0085

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 220

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB34)

ALPHA (5) = 34.820 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.825 -.0059

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0536
.030 .0136
.060 .0063
.080 .0022
.100 .0020
.130 .0029
.160 .0705
.170 .0942
.180 .0584
.190 .0119
.200 .0029
.250 -.0167
.300 -.0192
.500 -.0186
.600 -.0193
.700 -.0178
.775 -.0166
.800 -.0157
.825 -.0138

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0441
.030 .0192
.060 .0069
.080 .0091
.100 .0055
.130 .0029
.160 .0646
.170 .1010
.180 .0537

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 221

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB34)

ALPHA (7) = 44.264 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.190	.0127
.200	.1535
.250	-.0004
.300	-.0129
.500	-.0165
.600	-.0129
.700	-.0106
.775	-.0082
.800	-.0075
.825	-.0064

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL 0000

X/L

.010	.0000
.030	.0000
.060	.0054
.080	.0083
.100	.0059
.130	.0008
.160	.0444
.170	.0850
.180	.0471
.190	.0112
.200	.2119
.250	.0131
.300	-.0023
.500	-.0110
.600	-.0035
.700	.0011
.775	-.0008
.800	-.0013
.825	.0050

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 222

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB35) (05 AUG 74)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BOFLAP = 15 667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2663
.030 .1054
.060 .0554
.080 .0419
.100 .0303
.130 .0413
.160 .0553
.170 .0956
.180 .1218
.190 .0642
.200 .0179
.250 -.0124
.300 -.0141
.500 -.0137
.600 -.0175
.700 -.0182
.775 -.0135
.800 -.0125
.825 -.0104

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1948
.030 .0707
.060 .0337
.080 .0253
.100 .0177
.130 .0206
.160 .0630
.170 .0917
.180 .1010
.190 .0468
.200 .0081

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 223

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZ935)

ALPHA (2) = 24.886 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0139
.300	-.0150
.500	-.0160
.600	-.0177
.700	-.0161
.775	-.0136
.800	-.0125
.825	-.0106

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1 8294

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1229
.030	.0407
.060	.0279
.080	.0104
.100	.0058
.130	.0093
.160	.0743
.170	.0590
.180	.0686
.190	.0214
.200	-.0068
.250	-.0183
.300	-.0201
.500	-.0144
.600	-.0195
.700	-.0197
.775	-.0189
.800	-.0175
.825	-.0163

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 224

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0790
.030	.0223
.060	.0177
.080	.0035
.100	.0005
.130	.0065
.160	.0894
.170	.0573
.180	.0617
.190	.0157
.200	-.0118
.250	-.0187
.300	-.0204
.500	-.0130
.600	-.0203
.700	-.0195
.775	-.0194
.800	-.0176
.825	-.0155

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0497
.030	.0120
.060	.0100
.080	.0007
.100	-.0011
.130	-.0001
.160	.0647
.170	.0877
.180	.0554
.190	.0093
.200	-.0106
.250	-.0159
.300	-.0170
.500	-.0160
.600	-.0178
.700	-.0167
.775	-.0170
.800	-.0165

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 225

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB35)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.825 -.0162

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0358

.030 .0089

.060 .0011

.080 .0024

.100 -.0003

.130 -.0032

.160 .0514

.170 .0945

.180 .0537

.190 .0079

.200 -.0120

.250 -.0173

.300 -.0180

.500 -.0205

.600 -.0171

.700 -.0164

.775 -.0146

.800 -.0134

.825 -.0123

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 226

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB36) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDSRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .3541
.030 .1526
.060 .0819
.080 .0676
.100 .0525
.130 .0711
.160 .0754
.170 .1390
.180 .2213
.190 .1199
.200 .2199
.250 .0056
.300 -.0106
.500 -.0175
.600 -.0110
.700 -.0148
.775 -.0118
.800 -.0048
.825 .0110

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .1892
.030 .0681
.060 .0346
.080 .0237
.100 .0161
.130 .0189
.160 .0581
.170 .0900
.180 .1000
.190 .0443
.200 .1932

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 227

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB36)

ALPHA (2) = 24.838 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	.0005
.300	-.0145
.500	-.0164
.600	-.0189
.700	-.0174
.775	-.0138
.800	-.0126
.825	-.0109

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1345
.030	.0515
.060	.0244
.080	.0217
.100	.0168
.130	.0198
.160	.0828
.170	.0736
.180	.0819
.190	.0334
.200	.3456
.250	.0146
.300	-.0091
.500	-.0149
.600	-.0122
.700	-.0112
.775	-.0083
.800	-.0079
.825	-.0064

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 228

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0377
.030	.0113
.060	-.0056
.080	.0021
.100	-.0008
.130	-.0031
.160	.0570
.170	.0929
.180	.0467
.190	.0073
.200	.3089
.250	.0043
.300	-.0181
.500	-.0270
.600	-.0192
.700	-.0166
.775	-.0149
.800	-.0140
.825	-.0120

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0281
.030	.0113
.060	.0032
.080	.0056
.100	.0010
.130	-.0021
.160	.0412
.170	.0871
.180	.0510
.190	.0067
.200	.5867
.250	.0272
.300	-.0092
.500	-.0127
.600	-.0112
.700	-.0070
.775	-.0041
.800	-.0023

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 229

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB36)

ALPHA (5) = 48.639 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 .0024

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 230

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB37) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
ØREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14 838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1 8329

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2967
.030 .1478
.060 .0845
.080 .0633
.100 .0521
.130 .0688
.160 .0698
.170 .1567
.180 .2533
.190 .1228
.200 .0860
.250 -.0054
.300 -.0121
.500 -.0101
.600 -.0108
.700 -.0150
.775 -.0143
.800 -.0088
.825 -.0115

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2714
.030 .0998
.060 .0518
.080 .0385
.100 .0292
.130 .0422
.160 .0488
.170 .1157
.180 .1532
.190 .0688
.200 .0724

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 231

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(REZB37)

ALPHA (2) = 19.629 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0088
.300	-.0139
.500	-.0122
.600	-.0164
.700	-.0166
.775	-.0144
.800	-.0134
.825	-.0104

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 232

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB3B) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2593
 .030 .0954
 .060 .0502
 .080 .0365
 .100 .0271
 .130 .0375
 .160 .0468
 .170 .1007
 .180 .1331
 .190 .0600
 .200 .0946
 .250 -.0095
 .300 -.0154
 .500 -.0137
 .600 -.0185
 .700 -.0166
 .775 -.0153
 .800 -.0139
 .825 -.0120

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1845
 .030 .0621
 .060 .0295
 .080 .0217
 .100 .0151
 .130 .0177
 .160 .0741
 .170 .0952
 .180 .0994
 .190 .0400
 .200 .1286

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 233

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(REZB38)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0094
.300	-.0171
.500	-.0192
.600	-.0206
.700	-.0186
.775	-.0166
.800	-.0147
.825	-.0122

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ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 234

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB03) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2616
 .030 .1044
 .060 .0588
 .080 .0423
 .100 .0311
 .130 .0401
 .160 .0571
 .170 .0857
 .180 .1168
 .190 .0620
 .200 .1204
 .250 -.0038
 .300 -.0131
 .500 -.0083
 .600 -.0170
 .700 -.0178
 .775 .4524
 .800 .0172
 .825 -.0057

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1838
 .030 .0677
 .060 .0380
 .080 .0256
 .100 .0177
 .130 .0215
 .160 .0609
 .170 .0738
 .180 .0875
 .190 .0405
 .200 .1612

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 235

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB03)

ALPHA (2) = 24.885 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0028
.300	-.0155
.500	-.0141
.600	-.0193
.700	-.0175
.775	.6385
.800	.0231
.825	-.0071

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1300
.030	.0440
.060	.0238
.080	.0153
.100	.0100
.130	.0136
.160	.0800
.170	.0715
.180	.0770
.190	.0286
.200	.2183
.250	.0007
.300	-.0153
.500	-.0159
.600	-.0178
.700	-.0167
.775	.6143
.800	.0275
.825	-.0077

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 236

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(XEZB03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0790
.030	.0268
.060	.0190
.080	.0079
.100	.0054
.130	.0109
.160	.0919
.170	.0626
.180	.0645
.190	.0185
.200	.0471
.250	-.0140
.300	-.0196
.500	-.0147
.600	-.0185
.700	-.0174
.775	.1716
.800	.0020
.825	-.0097

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0524
.030	.0170
.060	.0101
.080	.0050
.100	.0023
.130	.0014
.160	.0864
.170	.0796
.180	.0616
.190	.0100
.200	.0665
.250	-.0116
.300	-.0199
.500	-.0154
.600	-.0185
.700	-.0170
.775	.2565
.800	.0075

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 237

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(XEZB03)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 -.0099

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0359
.030 .0095
.060 .0036
.080 .0024
.100 -.0008
.130 -.0039
.160 .0488
.170 .0812
.180 .0595
.190 .0083
.200 .0969
.250 -.0101
.300 -.0199
.500 -.0191
.600 -.0190
.700 -.0171
.775 .4052
.800 .0136
.825 -.0093

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0239
.030 .0054
.060 .0051
.080 .0000
.100 -.0050
.130 -.0069
.160 .0000
.170 .0790
.180 .0378

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 238

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB03)

ALPHA (7) = 48.803 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.190	.0024
.200	.0759
.250	-.0110
.300	-.0181
.500	-.0145
.600	-.0169
.700	-.0122
.775	.3623
.800	.0164
.825	-.0025

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 239

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB04) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .2696
.030 .2693
.060 .0495
.080 .0449
.100 .0305
.130 .0419
.160 .0491
.170 .1126
.180 .1467
.190 .0680
.200 .2688
.250 .0051
.300 -.0116
.500 -.0143
.600 -.0147
.700 -.0148
.775 -.0132
.800 -.0123
.825 -.0095

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .1756
.030 .0589
.060 .0293
.080 .0209
.100 .0145
.130 .0179
.160 .0656
.170 .0763
.180 .0891
.190 .0368
.200 .0429

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 240

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB04)

ALPHA (2) = 24.809 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250 -.0143
.300 -.0173
.500 -.0195
.600 -.0202
.700 -.0183
.775 .1682
.800 -.0034
.825 -.0108

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1279
.030 .0393
.060 .0175
.080 .0130
.100 .0087
.130 .0137
.160 .0824
.170 .0784
.180 .0769
.190 .0245
.200 .0578
.250 -.0144
.300 -.0184
.500 -.0217
.600 -.0192
.700 -.0185
.775 .2452
.800 -.0012
.825 -.0095

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 241

ARC 3.5-198 OH38 140C OR3 TOP CENTER LINE

(XEZB04)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0735
.030	.0222
.060	.0152
.080	.0072
.100	.0065
.130	.0103
.160	.1002
.170	.0664
.180	.0668
.190	.0179
.200	.0397
.250	-.0155
.300	-.0204
.500	-.0162
.600	-.0180
.700	-.0169
.775	.1706
.800	-.0021
.825	-.0117

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0440
.030	.0125
.060	.0145
.080	.0060
.100	.0047
.130	-.0022
.160	.0504
.170	.0890
.180	.0666
.190	.0074
.200	.0171
.250	-.0163
.300	-.0195
.500	-.0137
.600	-.0168
.700	-.0151
.775	.1456
.800	-.0021

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 242

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB04)

ALPHA (5) = 39.840 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.825 -.0108

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5 9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0090

X/L

.010 .0317

.030 .0065

.060 .0044

.080 .0040

.100 .0007

.130 -.0056

.160 .0428

.170 .0780

.180 .0685

.190 .0069

.200 .0492

.250 -.0159

.300 -.0201

.500 -.0161

.600 -.0190

.700 -.0173

.775 .2415

.800 -.0009

.825 -.0121

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 243

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2658
.030 .1060
.060 .0589
.080 .0440
.100 .0325
.130 .0425
.160 .0575
.170 .0934
.180 .1179
.190 .0649
.200 .0239
.250 -.0106
.300 -.0127
.500 -.0099
.600 -.0164
.700 -.0168
.775 -.0115
.800 -.0102
.825 -.0077

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1292
.030 .0465
.060 .0249
.080 .0170
.100 .0115
.130 .0153
.160 .0820
.170 .0677
.180 .0757
.190 .0280
.200 .0244

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 244

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB05)

ALPHA (2) = 29.560 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0150
.300	-.0181
.500	-.0161
.600	-.0181
.700	-.0174
.775	-.0145
.800	-.0138
.825	-.0114

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0850
.030	.0300
.060	.0147
.080	.0109
.100	.0080
.130	.0135
.160	.0884
.170	.0652
.180	.0719
.190	.0226
.200	.1802
.250	.0006
.300	-.0148
.500	-.0156
.600	-.0154
.700	-.0134
.775	-.0132
.800	-.0118
.825	-.0095

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 245

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XE2805)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0577
.030	.0163
.060	.0090
.080	.0046
.100	.0040
.130	.0051
.160	.0690
.170	.0990
.180	.0611
.190	.0140
.200	.0343
.250	-.0140
.300	-.0191
.500	-.0151
.600	-.0183
.700	-.0169
.775	-.0159
.800	-.0147
.825	-.0123

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0385
.030	.0101
.060	.0104
.080	.0022
.100	-.0004
.130	-.0035
.160	.0490
.170	.0857
.180	.0500
.190	.0064
.200	.2990
.250	.0084
.300	-.0146
.500	-.0127
.600	-.0152
.700	-.0116
.775	-.0122
.800	-.0115

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 246

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB05)

ALPHA (5) = 45.000 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 -.0090

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0225
.030 .0031
.050 .0041
.080 -.0017
.100 -.0056
.130 -.0084
.150 .0337
.170 .0872
.180 .0494
.190 .0022
.200 .5117
.250 .0186
.300 -.0147
.500 -.0088
.600 -.0154
.700 -.0120
.775 -.0103
.800 -.0097
.825 -.0039

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 247

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(XEZB06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2553
.030 .0932
.060 .0495
.080 .0355
.100 .0259
.130 .0362
.160 .0447
.170 .0976
.180 .1302
.190 .0578
.200 .0304
.250 -.0140
.300 -.0163
.500 -.0137
.600 -.0191
.700 -.0170
.775 -.0160
.800 -.0143
.825 -.0124

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1757
.030 .0613
.060 .0307
.080 .0227
.100 .0162
.130 .0195
.160 .0639
.170 .0813
.180 .0917
.190 .0376
.200 .1423

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 248

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(XEZB06)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0060
.300	.1392
.500	-.0191
.600	-.0058
.700	-.0158
.775	-.0139
.800	-.0125
.825	-.0093

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1275
.030	.0385
.060	.0175
.080	.0115
.100	.0074
.130	.0116
.160	.0792
.170	.0772
.180	.0749
.190	.0244
.200	.0163
.250	-.0188
.300	-.0200
.500	-.0203
.600	-.0210
.700	-.0198
.775	-.0170
.800	-.0149
.825	-.0113

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 249

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0824
.030	.0248
.060	.0114
.080	.0090
.100	.0081
.130	.0155
.160	.0880
.170	.0822
.180	.0725
.190	.0200
.200	.2245
.250	-.0036
.300	.2374
.500	-.0196
.600	-.0012
.700	-.0155
.775	-.0159
.800	-.0137
.825	-.0117

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 250

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XZB11) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .3648
.030 .1549
.060 .0000
.080 .0671
.100 .0544
.130 .0726
.160 .0746
.170 .1464
.180 .2406
.190 .1248
.200 .4194
.250 .0158
.300 -.0102
.500 .0000
.600 -.0114
.700 -.0151
.775 -.0106
.800 -.0057
.825 .0087

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2672
.030 .1060
.060 .0573
.080 .0433
.100 .0318
.130 .0422
.160 .0579
.170 .0947
.180 .1195
.190 .0650
.200 .0172

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 251

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB11)

ALPHA (2) = 19.441 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0117
.300	-.0134
.500	-.0105
.600	-.0167
.700	-.0171
.775	-.0120
.800	-.0105
.825	-.0084

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1953
.030	.0723
.060	.0354
.080	.0270
.100	.0193
.130	.0225
.160	.0640
.170	.0931
.180	.1024
.190	.0462
.200	.6671
.250	.0264
.300	-.0120
.500	-.0155
.600	-.0189
.700	-.0177
.775	-.0139
.800	-.0127
.825	-.0114

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 252

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.1290
.030	.0457
.060	.0233
.080	.0165
.100	.0116
.130	.0147
.160	.0817
.170	.0677
.180	.0751
.190	.0279
.200	.0128
.250	-.0164
.300	-.0182
.500	-.0177
.600	-.0188
.700	-.0176
.775	-.0152
.800	-.0143
.825	-.0116

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0853
.030	.0306
.060	.0165
.080	.0105
.100	.0080
.130	.0143
.160	.0901
.170	.0640
.180	.0709
.190	.0211
.200	.1453
.250	-.0032
.300	-.0153
.500	-.0144
.600	-.0160
.700	-.0150
.775	-.0132
.800	-.0116

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 253

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(XEZB11)

ALPHA (5) = 34.627 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.825 -.0093

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0571
.030 .0165
.060 .0076
.080 .0047
.100 .0041
.130 .0045
.160 .0719
.170 .0963
.180 .0578
.190 .0132
.200 .0158
.250 -.0165
.300 -.0196
.500 -.0166
.600 -.0189
.700 -.0167
.775 -.0147
.800 -.0131
.825 -.0113

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L
.010 .0389
.030 .0119
.060 .0089
.080 .0039
.100 .0005
.130 -.0018
.160 .0511
.170 .0879
.180 .0479

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(XEZB11)

ALPHA (7) = 44.081 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.190	.0093
.200	.2363
.250	.0038
.300	-.0155
.500	-.0155
.600	-.0159
.700	-.0131
.775	-.0115
.800	-.0100
.825	-.0070

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CP5TAG = 1.8299

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0231
.030	.0067
.060	.0045
.080	.0012
.100	-.0042
.130	-.0065
.160	.0410
.170	.0800
.180	.0477
.190	.0040
.200	.4026
.250	.0112
.300	-.0149
.500	-.0139
.600	-.0142
.700	-.0109
.775	-.0076
.800	-.0060
.825	-.0011

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 255

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(YEZB03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290 3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .2620
.030 .1047
.060 .0572
.080 .0418
.100 .0310
.130 .0416
.160 .0543
.170 .0932
.180 .1218
.190 .0631
.200 .2343
.250 .0034
.300 -.0129
.500 -.0114
.600 -.0173
.700 -.0185
.775 -.0128
.800 -.0116
.825 -.0090

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1271
.030 .0456
.060 .0266
.080 .0151
.100 .0098
.130 .0129
.160 .0780
.170 .0627
.180 .0719
.190 .0251
.200 .0102

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 256

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(YEZB03)

ALPHA (2) = 29.494 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0175
.300	-.0194
.500	-.0145
.600	-.0197
.700	-.0189
.775	-.0163
.800	-.0153
.825	-.0126

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0839
.030	.0279
.060	.0156
.080	.0081
.100	.0055
.130	.0119
.160	.0898
.170	.0669
.180	.0675
.190	.0201
.200	.3703
.250	.0084
.300	-.0172
.500	-.0164
.600	-.0189
.700	-.0181
.775	-.0165
.800	-.0150
.825	-.0128

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 257

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(YEZB03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0543
.030	.0137
.060	.0076
.080	.0024
.100	.0018
.130	.0029
.160	.0668
.170	.0972
.180	.0584
.190	.0113
.200	.0160
.250	-.0167
.300	-.0204
.500	-.0169
.600	-.0202
.700	-.0190
.775	-.0180
.800	-.0166
.825	-.0148

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010	.0359
.030	.0097
.060	.0051
.080	.0032
.100	.0001
.130	-.0032
.160	.0518
.170	.0778
.180	.0612
.190	.0079
.200	.6305
.250	.0213
.300	-.0164
.500	-.0153
.600	-.0190
.700	-.0170
.775	-.0154
.800	-.0142

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 258

ARC 3.5-198 OH3B 140C ORB TOP CENTER LINE

(YEZB03)

ALPHA (5) = 44.104 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L
.825 -.0127

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 259

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(YEZB04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .1205
.030 .2620
.060 .0185
.080 .0236
.100 .0103
.130 .0170
.160 .0783
.170 .0733
.180 .0687
.190 .0218
.200 .1623
.250 -.0061
.300 -.0175
.500 -.0189
.600 -.0182
.700 -.0172
.775 -.0159
.800 -.0134
.825 -.0104

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) TOP CENTER LINE

DEPENDENT VARIABLE CP

BL .0000

X/L

.010 .0536
.030 .3166
.060 .0050
.080 .0176
.100 .0068
.130 .0022
.160 .0612
.170 .1048
.180 .0699
.190 .0117
.200 .2689

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 260

ARC 3.5-198 OH38 140C ORB TOP CENTER LINE

(YEZB04)

ALPHA (2) = 39.926 MACH (1) = 7.320

SECTION (1) TOP CENTER LINE DEPENDENT VARIABLE CP

BL .0000

X/L

.250	-.0016
.300	-.0181
.500	-.0186
.600	-.0179
.700	-.0170
.775	-.0161
.800	-.0143
.825	-.0124

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 261

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPD8RK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) OMS PODS DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0121	
.054		.2336	.1887	
.150	.0158	.1222	.0537	.0012
.342	.0119	.0368	.0185	.0013
.727	.0053	.0127	.0020	-.0008
.823	.0040			
.881		.0718		

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) OMS PODS DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0041	
.054		-.0127	-.0009	
.150	-.0082	-.0104	-.0034	-.0120
.342	-.0151	.0006	-.0126	-.0120
.727	-.0150	-.0112	-.0144	-.0163
.823	-.0142			
.881		.0276		

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) OMS PODS DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.0000	.0000	
.150	.0077	.0000	.0000	.0033
.342	-.0002	.0000	.0000	.0029
.727	.0060	.0000	.0000	-.0025
.823	.0041			
.881		.0514		

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DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 262

ARC 3.5-198 OH3B 140C ORB OMS PODS

(REZC01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000				-.0079
.054		-.0117		-.0126
.150	-.0064	-.0129	-.0121	-.0110
.342	-.0135	-.0116	-.0129	-.0123
.727	-.0121	-.0102	-.0073	-.0141
.823	-.0115			
.881		.0292		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 263

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC02) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDRK = 41.933
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000				
.054		.2532	.1531	
.150	.0093	.0892	.0323	-.0192
.342	.0059	.0119	-.0009	-.0195
.727	-.0095	-.0062	-.0157	-.0193
.823	-.0161			
.881		-.0116		

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0013	
.054		-.0133	-.0045	
.150	-.0137	-.0035	-.0024	-.0151
.342	-.0154	-.0085	-.0108	-.0150
.727	-.0150	-.0127	-.0147	-.0151
.823	-.0155			
.881		-.0015		

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0086	
.054		-.0112	-.0125	
.150	-.0109	-.0115	-.0111	-.0155
.342	-.0126	-.0101	-.0107	-.0147
.727	-.0114	-.0086	-.0091	-.0148
.823	-.0102			
.881		-.0006		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 264

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC03) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = 000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.0000	.0000	
.150	.0220	.0000	.0000	.0080
.342	.0217	.0000	.0000	.0128
.727	.0180	.0000	.0000	.0130
.823	.0181			
.881		.0253		

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.0000	.0000	
.150	.0100	.0000	.0000	.0110
.342	.0077	.0000	.0000	.0112
.727	.0102	.0000	.0000	.0112
.823	.0101			
.881		.0222		

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.0000	.0000	
.150	.0207	.0000	.0000	.0172
.342	.0160	.0000	.0000	.0174
.727	.0157	.0000	.0000	.0183
.823	.0164			
.881		.0265		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 265

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.0000	.0000	
.150	.0167	.0000	.0000	.0184
.342	.0169	.0000	.0000	.0155
.727	.0182	.0000	.0000	.0154
.823	.0182			
.881		.0243		

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.0000	.0000	
.150	.0184	.0000	.0000	.0197
.342	.0196	.0000	.0000	.0127
.727	.0180	.0000	.0000	.0140
.823	.0190			
.881		.0263		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 266

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC04) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6 500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0000
.054 .0000
.150 .0197 0000 .0000
.342 .0169 .0000 .0000
.727 .0004 0000 .0000
.823 .0011 0000 .0000
.881 .0003

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0091
.054 .0612 0957
.150 -.0040 .0515 0272
.342 -.0095 .0143 .0016
.727 -.0070 -.0017 -.0074
.823 -.0068 0128
.881

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0070
.054 -.0018 .0060
.150 -.0033 .0089 .0069
.342 -.0027 .0036 -.0004
.727 -.0040 -.0016 -.0047
.823 -.0040 .0076
.881

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 267

ARC 3.5-198 OH38 1400 ORB OMS PODS

(REZC04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .25810 CPSTAG = 1.8301

SECTION (110MS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0078	
.054		-.0115	-.0091	
.150	-.0107	-.0108	-.0097	-.0161
.342	-.0103	-.0105	-.0122	-.0163
.727	-.0102	-.0107	-.0118	-.0161
.823	-.0114			
.881		-.0040		

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (110MS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0104	
.054		-.0121	-.0135	
.150	-.0132	-.0125	-.0118	-.0121
.342	-.0138	-.0105	-.0114	-.0158
.727	-.0124	-.0107	-.0100	-.0149
.823	-.0122			
.881		-.0092		

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 268

ARC 3.5-198 OH3B 140C ORB OMS PODS

(REZC05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0338	
.054		.0269	.0385	
.150	.0309	.0300	.0373	.0302
.342	.0313	.0376	.0278	.0277
.727	.0258	.0348	.0249	.0243
.823	.0262			
.881		.0445		

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0395	
.054		.1324	.1822	
.150	.0419	.1476	.0800	.0219
.342	.0295	.0661	.0440	.0259
.727	.0289	.0386	.0286	.0248
.823	.0251			
.881		.0415		

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0313	
.054		.0270	.0280	
.150	.0461	.0277	.0266	.0264
.342	.0399	.0282	.0273	.0267
.727	.0321	.0284	.0298	.0265
.823	.0283			
.891		.0624		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 269

ARC 3.5-198 OH38 140C ORB QMS PODS

(REZC06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0112	
.054		.2524	.1684	
.150	.0288	.1064	.0522	-.0005
.342	.0292	.0316	.0192	.0009
.727	.0118	.0134	.0044	.0003
.823	.0130			
.881	.0155			

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0063	
.054		-.0102	.0053	
.150	-.0091	.0085	.0042	-.0119
.342	-.0122	.0031	-.0083	-.0098
.727	-.0119	-.0087	-.0134	-.0100
.823	-.0118			
.881	-.0096			

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0027	
.054		.0005	-.0003	
.150	.0001	.0002	.0002	.0023
.342	.0002	.0012	.0014	-.0029
.727	.0017	-.0000	.0017	-.0007
.823	.0019			
.881	.0025			

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 270

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0453	
.054		.1428	.1802	
.150	.0436	.1534	.0858	.0292
.342	.0354	.0727	.0503	.0318
.727	.0314	.0461	.0356	.0306
.823	.0315			
.881		.0435		

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0384	
.054		.0341	.0407	
.150	.0345	.0367	.0397	.0368
.342	.0313	.0467	.0339	.0366
.727	.0316	.0345	.0313	.0372
.823	.0335			
.881		.0411		

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0385	
.054		.0343	.0352	
.150	.0431	.0351	.0337	.0326
.342	.0358	.0352	.0341	.0326
.727	.0372	.0355	.0373	.0338
.823	.0370			
.881		.0427		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 271

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC08) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 .0023
 .054 .2466 .1570
 .150 .0204 .0986 .0430 -.0095
 .342 .0153 .0225 .0103 -.0090
 .727 .0015 .0041 -.0049 -.0084
 .823 -.0088
 .881 .0089

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 .0171
 .054 .0067 .0158
 .150 .0038 .0133 .0146 .0096
 .342 .0040 .0142 .0071 .0079
 .727 .0050 .0066 .0050 .0032
 .823 .0041
 .881 .0107

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 .0048
 .054 .0025 .0021
 .150 .0024 .0026 .0028 .0056
 .342 .0022 .0033 .0033 -.0004
 .727 .0045 .0024 .0030 .0012
 .823 .0053
 .881 .0083

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DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 272

ARC 3.5-198 OH3B 140C ORB OMS PODS

(REZC09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0416	
.054		.1723	.1907	
.150	.0422	.1570	.0841	.0247
.342	.0283	.0697	.0470	.0283
.727	.0290	.0416	.0317	.0266
.823	.0252			
.881		.0416		

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0439	
.054		.0711	.0902	
.150	.0320	.1034	.0731	.0280
.342	.0324	.0631	.0408	.0288
.727	.0285	.0342	.0288	.0285
.823	.0268			
.881		.0506		

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0004	
.054		-.0031	.0005	
.150	.0015	.0081	.0003	-.0039
.342	-.0029	.0016	-.0021	-.0034
.727	-.0012	.0019	-.0041	-.0040
.823	-.0042			
.881		.0009		

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 273

ARC 3.5-198 OH3B 140C ORB OMS PODS

(REZC09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0021	
.054		-.0013	.0010	
.150	-.0013	-.0014	.0016	-.0003
.342	-.0007	-.0023	-.0020	-.0029
.727	-.0005	-.0006	-.0028	-.0036
.823	-.0009			
.881		-.0010		

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0023	
.054		-.0019	-.0012	
.150	.0032	-.0011	-.0023	-.0031
.342	-.0007	.0005	.0002	-.0027
.727	.0025	-.0032	-.0008	-.0023
.823	-.0023			
.881		.0031		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 274

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0104
 .054 .1266
 .150 .0196 .1069 .0474 -.0013
 .342 .0138 .0330 .0160 .0013
 .727 .0063 .0104 .0030 .0017
 .823 .0068
 .881 .0098

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0167
 .054 .0835 .0958
 .150 .0041 .0595 .0354 .0004
 .342 -.0005 .0307 .0111 .0024
 .727 .0032 .0090 .0032 .0021
 .823 .0039
 .881 .0115

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0131
 .054 .0049 .0131
 .150 .0040 .0093 .0121 .0035
 .342 .0045 .0094 .0050 .0035
 .727 .0035 .0053 .0021 .0039
 .823 .0033
 .881 .0170

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 275

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0093	
.054		.0056	.0093	
.150	.0060	.0058	.0082	.0070
.342	.0068	.0056	.0045	.0039
.727	.0070	.0055	.0048	.0031
.823	.0068			
.881	.0125			

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0091	
.054		.0066	.0059	
.150	.0132	.0065	.0061	.0029
.342	.0070	.0070	.0070	.0032
.727	.0086	.0090	.0066	.0033
.823	.0088			
.881	.0227			

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 276

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0169	
.054		.0956	.1472	
.150	.0141	.1186	.0568	.0030
.342	.0056	.0446	.0214	.0028
.727	.0023	.0173	.0071	.0032
.823	.0021			
.881		.0138		

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0076	
.054		.0039	.0090	
.150	.0043	.0102	.0083	.0058
.342	.0043	.0142	.0052	.0063
.727	.0056	.0056	.0029	.0060
.823	.0054			
.881		.0133		

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0098	
.054		.0061	.0057	
.150	.0077	.0056	.0044	.0078
.342	.0060	.0064	.0046	.0082
.727	.0073	.0074	.0081	.0071
.823	.0072			
.881		.0177		

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 277

ARC 3.5-198 OH3B 140C ORB OMS PODS

(REZC12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BOFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 .0104
 .054 .0880 .1483
 .150 .0028 .1181 .0498 -.0049
 .342 .0023 .0374 .0146 -.0041
 .727 -.0045 .0099 -.0004 -.0045
 .823 -.0043
 .881 .0020

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 .0000
 .054 .0000 .0000
 .150 -.0049 .0000 .0000 -.0031
 .342 -.0051 .0000 .0000 -.0032
 .727 -.0032 .0000 .0000 -.0034
 .823 -.0036
 .881 -.0012

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 .0095
 .054 -.0018 .0125
 .150 -.0034 .0019 .0090 -.0027
 .342 -.0032 .0126 -.0005 -.0031
 .727 -.0034 -.0012 -.0043 -.0023
 .823 -.0029
 .881 -.0003

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 278

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000

.0258

.054

.0229

.0246

.150

.0221

.0225

.0268

.0237

.342

.0213

.0222

.0224

.0206

.727

.0224

.0232

.0204

.0196

.823

.0224

.881

.0323

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000

.0267

.054

.0233

.0237

.150

.0235

.0233

.0229

.0265

.342

.0231

.0239

.0225

.0202

.727

.0256

.0239

.0258

.0218

.823

.0254

.881

.0330

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 279

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000				-.0025
.054		.2076		.1089
.150	.0088	.1074		-.0143
.342	-.0027	.0231	.0032	-.0116
.727	-.0097	-.0001	-.0101	-.0113
.823	-.0092			
.881		-.0061		

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000				.0032
.054		.0742		.0832
.150	.0000	.0466	.0201	-.0121
.342	-.0155	.0186	-.0031	-.0119
.727	-.0114	-.0034	-.0132	-.0120
.823	-.0114			
.881		.0000		

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000				-.0043
.054		-.0108		-.0060
.150	-.0099	-.0061	-.0051	-.0125
.342	-.0119	-.0078	-.0098	-.0122
.727	-.0115	-.0107	-.0134	-.0123
.823	-.0123			
.881		-.0104		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 280

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0072	
.054		-.0106	-.0082	
.150	-.0115	-.0104	-.0087	-.0111
.342	-.0114	-.0106	-.0123	-.0132
.727	-.0112	-.0111	-.0124	-.0131
.823	-.0113			
.881		-.0113		

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0064	
.054		.0038	.0037	
.150	.0042	.0041	.0036	.0060
.342	.0037	.0041	.0045	.0011
.727	.0055	.0035	.0041	.0028
.823	.0060			
.881		.0075		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 281

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPOBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0020
 .054 .0220 .1252
 .150 -.0160 .0292 .0346 -.0163
 .342 -.0150 .0017 -.0017 -.0168
 .727 -.0156 -.0119 -.0154 -.0191
 .823 -.0169
 .881 -.0129

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0131
 .054 -.0140 -.0143
 .150 -.0148 -.0151 -.0154 -.0146
 .342 -.0136 -.0164 -.0177 -.0174
 .727 -.0119 -.0166 -.0197 -.0190
 .823 -.0152
 .881 -.0152

ALPHA (3) = 39.849 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0128
 .054 -.0158 -.0151
 .150 -.0154 -.0158 -.0147 -.0077
 .342 -.0158 -.0153 -.0149 -.0161
 .727 -.0119 -.0133 -.0154 -.0175
 .823 -.0072
 .881 -.0143

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 282

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC15) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3393 P = .24900 CPSTAG = 1.8268

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000
 .054 .2874 .1471
 .150 -.0084 .1158 .0449 -.0131
 .342 -.0083 .0243 .0068 -.0128
 .727 -.0053 .0014 -.0088 -.0130
 .823 -.0106
 .881 -.0035

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000
 .054 -.0089 -.0075
 .150 -.0093 -.0084 -.0069 -.0070
 .342 -.0085 -.0084 -.0104 -.0109
 .727 -.0070 -.0088 -.0130 -.0107
 .823 -.0070
 .881 -.0096

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000
 .054 .0074 .0084
 .150 .0080 .0075 .0084 .0132
 .342 .0085 .0068 .0072 .0080
 .727 .0088 .0072 .0061 .0062
 .823 .0165
 .881 .0107

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 283

ARC 3.5-198 OH3B 140C ORB OMS PODS

(REZC16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = 9000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.3043	.1456	
.150	-.0048	.1130	.0374	-.0143
.342	-.0146	.0209	.0017	-.0154
.727	-.0172	-.0048	-.0139	-.0166
.823	-.0150			
.881		-.0140		

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0014	
.054		.0431	.0515	
.150	-.0181	.0563	.0293	-.0162
.342	-.0195	.0258	-.0072	-.0162
.727	-.0174	-.0113	-.0164	-.0154
.823	-.0163			
.881		-.0152		

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		-.0177	-.0038	
.150	-.0173	-.0143	-.0105	-.0169
.342	-.0175	.0018	-.0146	-.0168
.727	-.0159	-.0134	-.0196	-.0166
.823	-.0163			
.881		-.0154		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 284

ARC 3.5-198 OH38 140C ORB OMS 'PODS

(REZC16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0112	
.054		-.0131	-.0139	
.150	-.0153	-.0125	-.0116	-.0125
.342	-.0146	-.0153	-.0148	-.0167
.727	-.0026	-.0137	-.0167	-.0172
.823	-.0132			
.881		-.0129		

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0068	
.054		-.0111	-.0069	
.150	-.0114	-.0107	-.0134	-.0110
.342	-.0112	-.0109	-.0105	-.0112
.727	-.0112	-.0075	-.0076	-.0111
.823	-.0113			
.881		-.0109		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 285

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = 000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = 12970 CPSTAG = 1.8292

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0000 .0000 .0000
 .054 .2936 .1467 .0000
 .150 -.0087 .1119 .0382 -.0193
 .342 -.0144 .0221 .0003 -.0186
 .727 -.0163 -.0054 -.0144 -.0181
 .823 -.0187
 .881 -.0129

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0000 .0000 .0000
 .054 .0000 .0000 .0000
 .150 -.0176 .0000 .0000 -.0164
 .342 -.0173 .0000 .0000 -.0165
 .727 -.0161 .0000 .0000 -.0156
 .823 -.0164
 .881 -.0152

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0000 .0000 .0000
 .054 -.0156 -.0138 .0000
 .150 -.0186 -.0157 -.0145 -.0189
 .342 -.0189 -.0140 -.0149 -.0187
 .727 -.0186 -.0150 -.0158 -.0190
 .823 -.0194
 .881 -.0186

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 286

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0178	
.054		.2933	.0264	
.150	.0443	.1139	.0349	.0016
.342	.0293	.0491	.0130	.0019
.727	.0184	.0169	.0021	.0020
.823	.0010			
.881		.0086		

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0115	
.054		.0871	.1206	
.150	.0091	.1005	.0474	.0016
.342	.0035	.0446	.0146	.0018
.727	.0021	.0135	.0014	.0018
.823	.0014			
.881		.0047		

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6842 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0007	
.054		.0331	.0090	
.150	-.0001	.0561	.0158	-.0024
.342	-.0036	.0312	.0046	-.0009
.727	-.0021	.0062	-.0044	-.0006
.823	-.0029			
.881		-.0003		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 287

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC18)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0002	
.054		.0095	.0115	
.150	-.0021	.0184	.0100	-.0015
.342	-.0030	.0072	-.0003	-.0004
.727	-.0024	-.0013	-.0043	-.0002
.823	-.0008			
.881		-.0005		

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0011	
.054		-.0014	.0014	
.150	-.0029	.0006	-.0012	-.0007
.342	-.0021	-.0000	-.0030	-.0013
.727	-.0014	.0011	.0004	-.0011
.823	-.0007			
.881		-.0009		

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0053	
.054		.0026	.0021	
.150	.0019	.0024	.0023	.0025
.342	.0011	.0014	.0027	.0038
.727	.0022	.0030	.0033	.0034
.823	.0032			
.881		.0029		

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 288

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC18)

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000

.0045

.054

.0023

.0029

.150

.0033

.0023

.0022

.0051

.342

.0040

.0022

.0022

.0052

.727

.0060

.0033

.0020

.0060

.823

.0053

.881

.0062

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 289

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0086	
.054		.0433	.0774	
.150	.0024	.0647	.0387	-.0041
.342	.0007	.0328	.0108	-.0019
.727	-.0029	.0078	-.0023	-.0032
.823	-.0038			
.881		.0025		

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0023	
.054		.0248	.0100	
.150	-.0008	.0402	.0128	-.0021
.342	-.0044	.0202	.0013	-.0017
.727	-.0029	.0006	-.0040	-.0015
.823	-.0031			
.881		-.0006		

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0005	
.054		.0003	.0038	
.150	-.0028	.0027	.0015	-.0006
.342	-.0026	.0013	-.0020	-.0022
.727	-.0011	-.0002	-.0032	-.0015
.823	.0001			
.881		.0001		

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000

.0011

.054

-.0023

-.0004

.150

-.0021

-.0014

-.0036

-.0040

.342

-.0022

-.0020

-.0012

-.0025

.727

-.0021

-.0010

.0016

-.0019

.823

-.0014

.881

.0008

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000

.0002

.054

-.0001

-.0015

.150

-.0014

-.0008

-.0004

-.0021

.342

-.0008

-.0004

.0008

-.0018

.727

-.0004

.0051

.0038

-.0015

.823

.0001

.881

.0034

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000

.0027

.054

.0004

.0015

.150

-.0023

-.0009

.0002

-.0058

.342

-.0058

.0011

.0032

-.0065

.727

-.0061

.0061

.0047

-.0057

.823

-.0060

.881

-.0038

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 291

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 .0025
 .054 .0289 .0596
 .150 -.0063 .0513 .0299 -.0080
 .342 -.0069 .0244 .0029 -.0072
 .727 -.0084 .0016 -.0074 -.0068
 .823 -.0059
 .881 -.0045

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 -.0015
 .054 .0180 .0009
 .150 -.0063 .0335 .0048 -.0065
 .342 -.0075 .0149 -.0037 -.0067
 .727 -.0068 -.0028 -.0062 -.0056
 .823 -.0045
 .881 -.0060

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 .0026
 .054 .0044 .0072
 .150 .0007 .0073 .0051 .0016
 .342 -.0001 .0046 .0001 .0015
 .727 .0007 .0017 -.0012 .0019
 .823 .0014
 .881 .0031

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 292

ARC 3.5-198 OH38 1400 ORB OMS PODS

(REZC20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0026	
.054		.0005	.0021	
.150	.0033	.0020	.0005	.0030
.342	.0028	.0018	.0010	.0037
.727	.0030	.0017	.0034	.0034
.823	.0036			
.881		.0030		

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0029	
.054		.0017	.0020	
.150	.0018	.0014	.0030	.0043
.342	.0017	.0030	.0032	.0043
.727	.0032	.0075	.0063	.0052
.823	.0041			
.881		.0046		

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0041	
.054		.0035	.0030	
.150	.0060	.0029	.0021	.0066
.342	.0060	.0045	.0060	.0059
.727	.0064	.0096	.0079	.0071
.823	.0066			
.881		.0056		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 293

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0083	
.054		.0905	.1410	
.150	.0031	.1156	.0504	-.0064
.342	.0042	.0387	.0135	-.0057
.727	-.0031	.0087	-.0016	-.0056
.823	-.0031			
.881		.0023		

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .01500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.0000	.0000	
.150	.0000	.0000	.0000	.0000
.342	.0000	.0000	.0000	.0000
.727	.0000	.0000	.0000	.0000
.823	.0000			
.881		.0000		

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0116	
.054		-.0098	-.0044	
.150	-.0151	-.0058	-.0008	-.0145
.342	-.0151	-.0112	-.0103	-.0142
.727	-.0151	-.0142	-.0168	-.0143
.823	-.0146			
.881		-.0128		

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

000			.0008	
054		-.0010	-.0029	
.150	.0006	-.0018	-.0036	.0020
.342	.0011	-.0011	-.0013	.0012
.727	.0012	.0003	.0009	.0022
.823	.0009			
.881	.0060			

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0002	
054		.0002	-.0012	
.150	.0066	-.0006	-.0021	.0007
.342	.0002	.0014	-.0011	.0009
.727	-.0002	.0028	.0042	.0010
.823	-.0003			
.881	.0070			

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

000			-.0074	
054		-.0096	-.0094	
.150	-.0093	-.0096	-.0116	-.0074
.342	-.0096	-.0103	-.0102	-.0072
.727	-.0083	-.0093	-.0066	-.0079
.823	-.0080			
.881	.0038			

DATE 14 NOV 75

TABULATED SOURCE DATA OH39 (ARC 3.5-198)

PAGE 295

ARC 3.5-198 OH39 140C ORB OMS PODS

(REZC31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
.000
.054 .2589 .1303
.150 .0125 .0913 .0328 -.0207
.342 -.0072 .0147 -.0003 -.0170
.727 -.0153 -.0051 -.0159 -.0166
.823 -.0191
.881 -.0103

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
.000
.054 -.0163 -.0071
.150 -.0188 -.0038 -.0061 -.0193
.342 -.0191 -.0099 -.0156 -.0191
.727 -.0190 -.0154 -.0194 -.0192
.823 -.0193
.881 -.0163

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC32) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPOBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0167
 .054 .3502 .0108
 .150 -.0133 .1184 .0342 -.0118
 .342 -.0121 .0517 .0016 -.0113
 .727 -.0187 .0053 -.0136 -.0103
 .823 -.0198
 .881 -.0074

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 - .0051
 .054 .0271 .1192
 .150 -.0164 .0613 .0348 -.0157
 .342 -.0181 .0080 .0009 -.0152
 .727 -.0138 -.0110 -.0144 -.0149
 .823 -.0168
 .881 -.0123

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0024
 .054 -.0144 -.0112
 .150 -.0131 -.0137 -.0137 -.0133
 .342 -.0140 -.0053 -.0145 -.0136
 .727 -.0135 -.0123 -.0180 -.0091
 .823 -.0148
 .881 -.0137

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 297

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0108	
.054		-.0107	-.0120	
.150	-.0146	-.0118	-.0138	-.0139
.342	-.0140	-.0140	-.0162	-.0155
.727	-.0125	-.0147	-.0170	-.0176
.823	-.0149			
.881		-.0157		

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0115	
.054		-.0133	-.0145	
.150	-.0162	-.0129	-.0146	-.0099
.342	-.0158	-.0135	-.0141	-.0177
.727	-.0159	-.0167	-.0158	-.0180
.823	-.0100			
.881		-.0162		

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0106	
.054		-.0136	-.0137	
.150	-.0141	-.0137	-.0134	-.0147
.342	-.0136	-.0138	-.0139	-.0157
.727	-.0099	-.0108	-.0137	-.0153
.823	-.0068			
.881		-.0149		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 298

ARC 3.5-198 OH38 140C ORB QMS PODS

(REZC32)

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (110MS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0119	
.054		-.0127	-.0133	
.150	-.0130	-.0132	-.0117	-.0127
.342	-.0122	-.0115	-.0122	-.0128
.727	-.0059	-.0101	-.0122	-.0124
.823	.0018			
.881		-.0134		

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (110MS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0111	
.054		-.0114	.0000	
.150	-.0150	-.0128	-.0125	-.0131
.342	-.0143	-.0094	-.0105	.0000
.727	.0103	-.0065	-.0066	.0000
.823	.0157			
.881		-.0140		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 299

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZL33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290 3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 - .0057
 .054 .3097 .1468
 .150 -.0138 .1171 .0384 - .0167
 .342 -.0157 .0279 .0033 -.0167
 .727 -.0108 -.0052 -.0136 -.0166
 .823 -.0173
 .831 -.0063

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 -.0025
 .054 -.0112 -.0076
 .150 -.0127 -.0083 -.0090 -.0141
 .342 -.0128 -.0114 -.0132 -.0149
 .727 -.0125 -.0124 -.0173 -.0177
 .823 -.0135
 .881 -.0109

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 -.0115
 .054 -.0139 -.0138
 .150 -.0139 -.0131 -.0140 -.0191
 .342 -.0137 -.0131 -.0135 -.0193
 .727 -.0105 -.0143 -.0154 -.0192
 .823 -.0110
 .881 -.0153

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 300

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000

-.0113

.054

-.0146

-.0137

.150

-.0169

-.0139

-.0134

-.0069

.342

-.0144

-.0147

-.0145

-.0141

.727

-.0147

-.0140

-.0163

-.0163

.823

-.0066

.881

-.0169

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 301

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.7418	.0135	
.150	.0000	.5641	.0349	.0015
.342	.0310	.3513	.0116	.0026
.727	.0018	.2920	.1994	.0002
.823	-.0005			
.881		.0000		

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0056	
.054		.0883	.1260	
.150	-.0098	.1044	.0345	-.0177
.342	-.0144	.0215	.0001	-.0174
.727	-.0174	-.0054	-.0141	-.0169
.823	-.0186			
.881		-.0123		

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0519 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0033	
.054		.0050	.0062	
.150	-.0138	.0276	.0161	-.0114
.342	-.0133	.0011	-.0035	-.0110
.727	-.0124	-.0103	-.0127	-.0103
.823	-.0119			
.881		-.0120		

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0127	
.054		-.0165	-.0127	
.150	-.0165	-.0097	-.0132	-.0166
.342	-.0168	-.0073	-.0161	-.0160
.727	-.0163	-.0152	-.0184	-.0167
.823	-.0160			
.881		-.0146		

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0074	
.054		-.0114	-.0076	
.150	-.0126	-.0108	-.0072	-.0118
.342	-.0121	-.0113	-.0108	-.0123
.727	-.0121	-.0106	-.0125	-.0121
.823	-.0132			
.881		-.0119		

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0114	
.054		-.0118	-.0151	
.150	-.0151	-.0145	-.0148	-.0140
.342	-.0150	-.0126	-.0128	-.0139
.727	-.0142	-.0138	-.0125	-.0143
.823	-.0145			
.881		-.0149		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 303

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC34)

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0077	
.054		-.0081	-.0103	
.150	-.0082	-.0084	-.0105	-.0063
.342	-.0079	-.0081	-.0088	-.0061
.727	-.0057	-.0057	-.0045	-.0059
.823	-.0050			
.881		-.0069		

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0022	
.054		.0019	.0003	
.150	.0000	-.0039	-.0048	.0050
.342	-.0047	.0010	-.0039	.0027
.727	-.0023	.0042	.0032	-.0008
.823	.0022			
.881		.0000		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 304

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC35) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .000
 ELEV-R = .000 SPOBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000
 .054 .1207 .1336
 .150 -.0086 .1042 .0367 -.0172
 .342 -.0145 .0213 -.0001 -.0171
 .727 -.0160 -.0049 -.0146 -.0171
 .823 -.0167
 .881 -.0122

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000
 .054 .0593 .0782
 .150 -.0158 .0402 .0274 -.0167
 .342 -.0181 .0184 -.0059 -.0175
 .727 -.0175 -.0114 -.0160 -.0187
 .823 -.0177
 .881 -.0156

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000
 .054 -.0184 -.0154
 .150 -.0204 -.0071 -.0172 -.0191
 .342 -.0197 -.0159 -.0169 -.0190
 .727 -.0200 -.0184 -.0191 -.0183
 .823 -.0191
 .881 -.0200

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 305

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (110MS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0143	
.054		-.0170	-.0171	
.150	-.0192	-.0183	-.0148	-.0189
.342	-.0190	-.0183	-.0172	-.0190
.727	-.0179	-.0181	-.0172	-.0184
.823	-.0160			
.881		-.0168		

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (110MS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0148	
.054		-.0191	-.0184	
.150	-.0171	-.0170	-.0182	-.0186
.342	-.0178	-.0173	-.0178	-.0191
.727	-.0164	-.0176	-.0161	-.0190
.823	-.0165			
.881		-.0153		

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (110MS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0117	
.054		-.0146	-.0161	
.150	-.0171	-.0137	-.0142	-.0169
.342	-.0169	-.0149	-.0123	-.0176
.727	-.0169	-.0125	-.0119	-.0166
.823	-.0169			
.881		-.0168		

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 306

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0116	
.054		.2894	.0106	
.150	.0342	.1046	.0308	-.0240
.342	.0196	.0356	.0007	-.0202
.727	-.0228	.0025	-.0150	-.0294
.823	-.0213			
.881		-.0246		

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0047	
.054		.0183	.0187	
.150	-.0181	.0548	.0185	-.0182
.342	-.0192	.0146	-.0079	-.0185
.727	-.0184	-.0107	-.0175	-.0191
.823	-.0196			
.881		-.0166		

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0076	
.054		-.0112	-.0093	
.150	-.0106	-.0007	-.0085	-.0088
.342	-.0114	-.0088	-.0104	-.0079
.727	-.0094	-.0092	-.0128	-.0081
.823	-.0092			
.881		-.0054		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 307

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0141	
.054		-.0141	-.0165	
.150	-.0287	-.0140	-.0173	-.0273
.342	-.0324	-.0144	-.0151	-.0313
.727	-.0318	-.0111	-.0089	-.0293
.823	-.0318			
.881		-.0296		

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0031	
.054		-.0053	-.0030	
.150	-.0063	-.0060	-.0083	-.0048
.342	-.0074	-.0054	-.0060	-.0054
.727	-.0045	-.0005	-.0019	-.0052
.823	-.0047			
.881		-.0034		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 308

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 6 500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0008	
.054		.2863	.0825	
.150	.0773	.1002	.0301	-.0103
.342	.0260	.0325	-.0019	-.0115
.727	-.0028	-.0006	-.0137	-.0122
.823	-.0173			
.881		-.0064		

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.6996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0068	
.054		.2581	.1935	
.150	-.0006	.0852	.0333	-.0201
.342	-.0003	.0119	-.0002	-.0175
.727	-.0072	-.0073	-.0158	-.0183
.823	-.0073			
.881		-.0132		

DATE 14 NOV 75.

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 309

ARC 3.5-198 OH38 140C ORB OMS PODS

(REZC38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BOFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1 0000 2.0000 3.0000 4.0000

X/LOMS
.000
.054 .2473 .1264
.150 -.0048 .0726 .0296 -.0201
.342 -.0114 .0108 -.0022 -.0180
.727 -.0176 -.0075 -.0164 -.0183
.823 -.0194
.881 -.0112

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
.000
.054 .0183 .0661
.150 -.0180 .0297 .0149 -.0198
.342 -.0211 -.0002 -.0100 -.0195
.727 -.0167 -.0138 -.0192 -.0194
.823 -.0194
.881 -.0134

ARC 3.5-198 OH38 140C ORB OMS PODS

(XEZC03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000				-.0027
.054		.0854		.1345
.150	-.0051	.1016		.0362
.342	-.0141	.0235		.0003
.727	-.0181	-.0047		-.0145
.823	-.0165			-.0163
.881		-.0037		

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000				-.0017
.054		.0009		.0138
.150	-.0181	.0304		.0180
.342	-.0161	-.0034		-.0068
.727	-.0136	-.0132		-.0183
.823	-.0126			-.0180
.881		-.0143		

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000				-.0119
.054		-.0167		-.0129
.150	-.0171	-.0007		-.0143
.342	-.0165	-.0138		-.0158
.727	-.0090	-.0142		-.0187
.823	-.0092			-.0180
.881		-.0142		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 311

ARC 3.5-198 OH38 140C ORB OMS PODS

(XEZC03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0128	
.054		-.0156	-.0159	
.150	-.0155	-.0155	-.0159	-.0128
.342	-.0164	-.0157	-.0159	-.0189
.727	-.0147	-.0133	-.0142	-.0160
.823	-.0122			
.881		-.0134		

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0140	
.054		-.0152	-.0155	
.150	-.0151	-.0147	-.0157	-.0126
.342	-.0146	-.0142	-.0135	-.0183
.727	-.0139	-.0116	-.0110	-.0173
.823	-.0123			
.881		-.0118		

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0136	
.054		-.0144	-.0155	
.150	-.0163	-.0140	-.0154	-.0138
.342	-.0153	-.0133	-.0129	-.0143
.727	-.0147	-.0116	-.0104	-.0136
.823	-.0147			
.881		-.0148		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 312

ARC 3.5-198 OH38 140C ORB OMS PODS

(XEZC03)

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0042	
.054		-.0087	-.0071	
.150	-.0112	.0000	-.0122	.0000
.342	-.0101	-.0087	-.0087	-.0103
.727	-.0106	-.0050	-.0047	-.0092
.823	-.0101			
.881		-.0053		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 313

ARC 3.5-198 OH38 140C ORB OMS PODS

(XEZC04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 .0070
 .054 .2425 .1437
 .150 .0086 .0876 .0332 -.0167
 .342 .0054 .0134 .0006 -.0170
 .727 -.0106 .0469 -.0143 -.0185
 .823 -.0189
 .881 -.0085

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0033
 .054 .0572 .0717
 .150 -.0183 .0469 .0198 -.0151
 .342 -.0185 .0075 -.0084 -.0151
 .727 -.0167 .0123 -.0186 -.0148
 .823 -.0188
 .881 -.0133

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0075
 .054 -.0167 -.0073
 .150 -.0155 -.0062 -.0057 -.0176
 .342 -.0181 -.0115 -.0152 -.0173
 .727 -.0175 -.0166 -.0194 -.0173
 .823 -.0176
 .881 -.0159

DATE 14 NOV 75

TABULATED SOURCE DATA CH38 (ARC 3.5-198)

PAGE 314

ARC 3.5-198 CH38 140C ORB OMS PODS

(XEZC04)

ALPHA (4) = 34.6888 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0123
.054		-.0164	-.0140
.150	-.0155	-.0160	-.0151
.342	-.0153	-.0161	-.0174
.727	-.0161	-.0157	-.0161
.823	-.0151		-.0170
.881		-.0152	

ALPHA (5) = 39.8400 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0114
.054		-.0146	-.0150
.150	-.0117	-.0146	-.0143
.342	-.0142	-.0133	-.0130
.727	-.0104	-.0105	-.0118
.823	-.0102		-.0140
.881		-.0125	

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0123
.054		-.0141	-.0144
.150	-.0148	-.0145	-.0134
.342	-.0148	-.0133	-.0129
.727	-.0144	-.0133	-.0132
.823	-.0146		-.0145
.881		-.0149	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 315

ARC 3.5-198 OH38 140C ORB OMS PODS

(XEZC05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPOBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 -.0051
 .054 .0855 .1281
 .150 -.0086 .1054 .0361 -.0163
 .342 -.0130 .0244 .0007 -.0158
 .727 -.0156 -.0037 -.0138 -.0159
 .823 -.0174
 .881 -.0108

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 -.0086
 .054 -.0148 -.0057
 .150 -.0167 -.0121 -.0058 -.0167
 .342 -.0170 -.0029 -.0147 -.0157
 .727 -.0168 -.0150 -.0180 -.0153
 .823 -.0163
 .881 -.0132

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS
 .000 -.0140
 .054 -.0162 -.0160
 .150 -.0139 -.0147 -.0181 -.0136
 .342 -.0143 -.0154 -.0152 -.0137
 .727 -.0138 -.0140 -.0124 -.0129
 .823 -.0137
 .881 -.0084

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 316

ARC 3.5-198 OH38 1400 ORB OMS PODS

(XEZC05)

ALPHA (4) = ' 39 911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0118	
.054		-.0139	-.0153	
.150	-.0135	-.0143	-.0146	-.0128
.342	-.0140	-.0126	-.0142	-.0125
.727	-.0110	-.0123	-.0107	-.0128
.823	-.0134			
.881		-.0029		

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0138	
.054		-.0134	-.0160	
.150	-.0098	-.0131	-.0151	-.0099
.342	-.0121	-.0127	-.0134	-.0098
.727	-.0106	-.0098	-.0094	-.0097
.823	-.0060			
.881		-.0025		

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0081	
.054		-.0103	-.0101	
.150	-.0127	-.0101	-.0122	-.0088
.342	-.0134	-.0080	-.0096	-.0098
.727	-.0105	-.0057	-.0032	-.0086
.823	-.0093			
.881		.0073		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 317

ARC 3.5-198 OH38 140C ORB OMS PODS

(XEZC06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = 28000 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0082
.054 .2364 .1183
.150 -.0050 .0695 .0289 -.0195
.342 -.0126 .0107 -.0025 -.0192
.727 -.0185 -.0074 -.0165 -.0191
.823 -.0195
.881 -.0112

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0032
.054 -.0076 .0217
.150 -.0159 .0000 .0113 -.0110
.342 -.0154 -.0072 -.0082 -.0149
.727 -.0143 -.0123 -.0167 -.0166
.823 -.0140
.881 -.0105

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0087
.054 -.0185 -.0118
.150 -.0192 -.0121 -.0110 -.0188
.342 -.0193 -.0136 -.0174 -.0181
.727 -.0193 -.0174 -.0195 -.0179
.823 -.0192
.881 -.0191

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 318

ARC 3.5-198 OH3B 140C ORB OMS PODS

(XEZC06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0111	
.054		-.0143	-.0125	
.150	-.0136	-.0144	-.0144	-.0186
.342	-.0147	-.0140	-.0157	-.0178
.727	-.0116	-.0127	-.0149	-.0171
.823	-.0129			
.881		-.0070		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 319

ARC 3.5-198 OH38 140C ORB OMS PODS

(XEZC11) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9 100 SPDBRK = .000
 BDFLAP = 000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1 0000 2.0000 3.0000 4.0000

X/LOMS

.000			.0000	
.054		.0000	.0000	
.150	.0705	.0000	.0000	-.0066
.342	.0264	.0000	.0000	-.0057
.727	-.0039	.0000	.0000	-.0061
.823	-.0186			
.881		-.0072		

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0048	
.054		.0965	.1314	
.150	-.0099	.1064	.0361	-.0167
.342	-.0138	.0227	.0016	-.0167
.727	-.0163	-.0039	-.0146	-.0158
.823	-.0174			
.881		-.0111		

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0051	
.054		.0462	.0422	
.150	-.0151	.0393	.0271	-.0163
.342	-.0160	.0163	-.0075	-.0158
.727	-.0181	-.0123	-.0192	-.0171
.823	-.0206			
.881		-.0151		

DATE 14 NOV 75

TABULATED SOURCE DATA 0H38 (ARC 3.5-198)

PAGE 320

ARC 3.5-198 0H38 140C ORB OMS PODS

(XEZC11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			- .0120	
.054		-.0159	-.0108	
.150	-.0156	-.0074	- .0121	-.0155
.342	-.0158	-.0065	-.0144	-.0148
.727	-.0153	-.0145	-.0182	-.0152
.823	-.0160			
.881		-.0121		

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0103	
.054		-.0149	-.0130	
.150	-.0129	-.0147	-.0153	-.0121
.342	-.0142	-.0147	-.0148	-.0107
.727	-.0125	-.0128	-.0135	-.0134
.823	-.0113			
.881		-.0085		

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0120	
.054		-.0138	-.0147	
.150	-.0063	-.0131	-.0156	-.0169
.342	-.0136	-.0133	-.0141	-.0164
.727	-.0134	-.0119	-.0106	-.0159
.823	-.0129			
.881		-.0064		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 321

ARC 3.5-198 OH38 140C ORB OMS PODS

(XEZC11)

ALPHA (7) = 44.081 MACH (1) = ~~7.320~~ 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 ~~CPSTAG~~ CPSTAG = 1.8297

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0115	
.054		-.0106	-.0128	
.150	-.0097	-.0105	-.0121	-.0088
.342	-.0105	-.0100	-.0109	-.0078
.727	-.0098	-.0096	-.0086	-.0068
.823	-.0078			
.881		-.0054		

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0044	
.054		-.0096	-.0057	
.150	-.0088	-.0079	-.0091	-.0066
.342	-.0064	-.0070	-.0085	-.0066
.727	-.0071	-.0058	-.0057	-.0071
.823	-.0060			
.881		-.0071		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 322

ARC 3.5-198 OH38 140C ORB OMS PODS

(YEZC03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0056
 .054 .0609 .1302
 .150 -.0111 .0811 .0336 -.0199
 .342 -.0154 .0188 -.0023 -.0145
 .727 -.0169 -.0081 -.0167 -.0143
 .823 -.0170
 .881 -.0126

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3579 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0127
 .054 -.0180 -.0118
 .150 -.0170 -.0112 -.0125 -.0168
 .342 -.0183 -.0073 -.0160 -.0160
 .727 -.0175 -.0171 -.0190 -.0161
 .823 -.0173
 .881 -.0112

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000 -.0152
 .054 -.0174 -.0163
 .150 -.0160 -.0183 -.0140 -.0169
 .342 -.0169 -.0180 -.0176 -.0162
 .727 -.0164 -.0178 -.0188 -.0167
 .823 -.0126
 .881 -.0143

DATE 14 NOV 75

/ TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 323

ARC 3.5-198 OH38 140C ORB OMS PODS

(YEZC03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			-.0129	
.054		-.0172	-.0164	
.150	-.0161	-.0170	-.0176	-.0141
.342	-.0166	-.0161	-.0160	-.0142
.727	-.0151	-.0148	-.0127	-.0151
.823	-.0149			
.881		-.0027		

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000			- 0156	
.054		-.0164	-.0168	
.150	-.0153	-.0156	-.0163	-.0157
.342	-.0147	-.0155	-.0154	-.0159
.727	-.0127	-.0137	- 0123	-.0160
.823	-.0125			
.881		- 0131		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 324

ARC 3.5-193 OH38 140C ORB OMS PODS

(YEZC04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDGRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.6990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (11OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000
 .054
 .150
 .342
 .727
 .823
 .881

-.0106
 -.0122
 -.0105
 -.0157
 -.0182
 -.0195
 -.0080

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (11OMS PODS

DEPENDENT VARIABLE CP

ROW NO 1.0000 2.0000 3.0000 4.0000

X/LOMS

.000
 .054
 .150
 .342
 .727
 .823
 .881

-.0126
 -.0155
 -.0151
 -.0134
 -.0176
 -.0049

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 325

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD01) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2590.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0333	.2281	1.7991	.8370	.7945
2.000	.1556	.3241	1.2327	.8767	.8412
3.000	.2316	.3686	1.3193	.6015	.5890
4.000	.2412	.3417	.9843	.5535	.5464
5.000	.2546	.3783	.7444	.4404	.5311
6.000	.2778	.6086	.6734	.9099	.5056

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0138	.1849	1.3167	.9103	.5109
2.000	.2306	.4460	1.5755	1.0789	1.0530
3.000	.4547	.6600	1.4854	1.4554	.9350
4.000	.5068	.7779	1.2653	.9930	.9284
5.000	.5573	.8110	1.0156	1.2180	.8981
6.000	.6027	.7367	.9439	.7000	.8559

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0000	.0000	.9763	.9901	.3444
2.000	.2949	.3333	.0000	.0000	1.1044
3.000	.4272	.6539	.0000	.0000	.0000
4.000	.5240	.5496	.0000	.0000	1.1040
5.000	.5528	.7125	.0000	.0000	1.0794
6.000	.6046	.7398	.0000	.0000	1.0574

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ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 326

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0234	.1636	.6919	.6935	.2104
2.000	.6846	.6612	1.4722	1.6120	1.0562
3.000	.8328	1.0487	1.5843	1.6871	1.3748
4.000	.8987	.9251	1.4792	1.6053	1.2026
5.000	1.0075	1.1271	1.3561	1.5515	1.2119
6.000	1.0678	1.1875	1.4041	.8565	1.1950

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 327

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD02) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8570

POSN

1.000	.0034	.1861	.0000	.8195	.7634
2.000	.1680	.3402	1.3792	.9110	.8126
3.000	.2275	.3803	1.4225	.6451	.6260
4.000	.2626	.3092	1.0660	.6116	.5230
5.000	.2705	.3790	.7716	.4733	.0000
6.000	.2861	.3818	.7093	.4324	.0000

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0113	.1364	.0000	.0000	.4698
2.000	.2565	.3842	1.6130	1.2404	1.0414
3.000	.3982	.6122	1.5087	1.6577	1.0224
4.000	.4652	.5074	1.3200	1.2037	.0000
5.000	.4983	.6588	1.0690	1.3244	.9048
6.000	.5438	.6606	1.0107	1.1764	.8778

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0249	.1264	.6562	.6637	.1834
2.000	.4269	.2876	1.4071	1.4897	1.0600
3.000	.5956	.8464	1.4499	1.5515	1.2736
4.000	.6982	.7038	1.4200	1.5713	.0000
5.000	.6319	.9377	1.3105	1.4897	.0000
6.000	.7187	.8573	1.2665	1.4412	.0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 328

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0348	.1648	1.7614	.8498	.7435
2.000	.1933	.3757	1.4122	.9240	.8232
3.000	.2501	.4137	1.2890	.8829	.6509
4.000	.2859	.3504	1.0043	.6311	.5520
5.000	.2991	.4176	.7939	.5104	.5371
6.000	.3106	.4263	.7584	.6739	.5050

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0385	.1477	1.5301	.7134	.6202
2.000	.2480	.3835	1.6995	.8978	.9576
3.000	.3316	.5174	1.3997	.8531	.8599
4.000	.3854	.4469	1.2094	.7432	.7658
5.000	.4093	.5396	.9559	.7823	.7363
6.000	.4346	.5534	.9115	.6776	.7015

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0512	.1375	1.2780	1.0703	.4852
2.000	.2996	.4004	1.6459	1.1711	1.0660
3.000	.4124	.6260	1.4362	1.6593	1.0428
4.000	.4860	.5627	1.2982	1.0973	.9597
5.000	.5240	.6727	1.0834	1.3405	.9290
6.000	.5599	.6926	1.0484	.6678	.8897

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 329

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0554	.1359	.9555	.9917	.3242
2.000	.3537	.4066	1.4659	1.6897	1.0916
3.000	.4878	.7314	1.4207	1.6187	1.1778
4.000	.5774	.6579	1.3173	1.5154	1.1306
5.000	.6351	.8004	1.1674	1.3763	1.1038
6.000	.6782	.8237	1.1376	.6459	1.0585

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0697	.1360	.7085	.7229	.2190
2.000	.4042	.4143	1.3486	1.4421	1.0656
3.000	.5647	.8260	1.3708	1.5255	1.2283
4.000	.6731	.7500	1.3363	1.4774	1.2327
5.000	.7368	.9116	1.2335	1.4074	1.2351
6.000	.8054	.9436	1.2224	.6168	1.2024

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 330

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD04) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0131	.1604	.0000	.8160	.7187
2.000	.1790	.3556	1.3445	.8975	.8058
3.000	.2387	.3953	1.2994	.6539	.6310
4.000	.2755	.3624	1.0315	.6115	.5356
5.000	.2904	.4023	.7923	.4834	.5227
6.000	.3023	.4121	.7657	.4112	.4905

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0170	.1206	1.5269	.7063	.5776
2.000	.2361	.3646	1.6920	.8753	.9706
3.000	.3262	.5132	1.4247	.8502	.8628
4.000	.3879	.4544	1.2266	.7486	.7715
5.000	.4155	.5634	.9637	.7967	.7434
6.000	.4365	.5554	.9023	.4770	.7058

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0255	.1156	1.2212	1.2149	.4317
2.000	.2840	.3647	1.5955	1.2671	1.0453
3.000	.3964	.6102	1.4745	1.6444	1.0201
4.000	.4620	.5377	1.2837	1.2446	.9612
5.000	.4955	.6792	1.0506	1.3141	.9242
6.000	.5442	.6789	1.0044	.4601	.8858

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 331

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0174	.1184	.9130	.9391	.2726
2.000	.2886	.3199	1.3838	1.5820	.0000
3.000	.4336	.6743	1.3671	1.5083	1.0950
4.000	.5243	.5843	1.2866	1.4498	.0000
5.000	.5755	.7532	1.1035	1.3236	.0000
6.000	.6437	.7526	1.0633	.1862	1.0459

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0235	.1336	.6593	.6683	.1806
2.000	.3736	.3703	1.3264	1.4024	1.0321
3.000	.5451	.8176	1.3730	1.4799	1.1925
4.000	.6465	.7616	1.3630	1.4834	.0000
5.000	.7118	.9104	1.2257	1.4135	.0000
6.000	.7988	.9179	1.1982	.3470	.0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 332

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDF-LAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0681	.1442	1.2434	1.2101	.4804
2.000	.3262	.4224	1.6022	1.2774	1.0568
3.000	.4397	.5520	1.4459	1.6941	1.0624
4.000	.5101	.6515	1.3231	1.2387	.9641
5.000	.5540	.7004	1.0936	1.3655	.9313
6.000	.5904	.7227	1.0625	.9526	.8891

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0636	.1440	1.6453	.7731	.7274
2.000	.2054	.3737	1.5783	.9166	.8284
3.000	.2589	.4170	1.2447	.6479	.6716
4.000	.2952	.4040	.9888	.6055	.5618
5.000	.3106	.4257	.7907	.5388	.5482
6.000	.3243	.4347	.7326	.8412	.5229

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0836	.1439	.7464	.7666	.2282
2.000	.4005	.4171	1.3888	1.4954	1.0661
3.000	.5679	.8258	1.4104	1.5646	1.2284
4.000	.6760	.7702	1.3032	1.5344	1.2287
5.000	.7432	.9155	1.2650	1.4571	1.2188
6.000	.8042	.9530	1.2469	1.0830	1.1935

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 333

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD06) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0262	.1218	1.6842	.8356	.7109
2.000	.1870	.3657	1.3520	.9214	.7985
3.000	.2450	.4044	1.3564	.6870	.6499
4.000	.2871	.3997	1.0498	.6304	.5343
5.000	.2975	.4147	.8243	.5124	.5232
6.000	.3109	.4258	.7725	.5208	.4948

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0154	.0855	1.3370	1.1122	.4192
2.000	.2359	.3232	1.5743	1.1144	1.0156
3.000	.3482	.5535	1.4595	1.6508	.9874
4.000	.4214	.5438	1.2590	1.0647	.9277
5.000	.4581	.6150	1.0144	1.3067	.8828
6.000	.4972	.6282	.9726	.4600	.8491

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0430	.0927	.6770	.6580	.1763
2.000	.3316	.3356	1.2727	1.3583	1.0130
3.000	.5052	.7687	1.3427	1.4963	1.1731
4.000	.6193	.7443	1.3026	1.4346	1.2147
5.000	.6890	.8644	1.2061	1.4009	1.1982
6.000	.7534	.8943	1.1820	.1649	1.1798

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 334

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPOBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0741	.1509	1.5490	.6499	.5599
2.000	.2165	.3926	1.5788	.9472	.6463
3.000	.2738	.4356	1.4119	.6855	.6918
4.000	.3120	.3284	1.0745	.6276	.4463
5.000	.3231	.4429	.8195	.5450	.4359
6.000	.3402	.4458	.7590	.8336	.4197

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0789	.1316	1.0836	.9453	.3648
2.000	.3186	.4170	1.6402	1.2339	.8468
3.000	.4310	.6473	1.5870	1.7194	1.0726
4.000	.5067	.5299	1.3373	1.1663	.7666
5.000	.5408	.6936	1.1162	1.3774	.7545
6.000	.5824	.7053	1.0517	.8788	.7243

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0978	.1384	.6258	.6105	.1832
2.000	.4149	.4332	1.4094	1.4992	.8620
3.000	.5877	.8487	1.4880	1.5893	1.2579
4.000	.7002	.7427	1.3966	1.5441	1.0337
5.000	.7626	.9415	1.2849	1.4589	1.0384
6.000	.8325	.9696	1.2625	.9573	1.0289

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 335

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD08) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0087	.0751	1.6722	.7894	.6587
2.000	.1759	.3604	1.1845	.8960	.7548
3.000	.2367	.3993	1.4508	.6817	.6318
4.000	.2774	.3425	1.0279	.6184	.4994
5.000	.2892	.4060	.8170	.4852	.4963
6.000	.3045	.4131	.7543	.3988	.4617

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0325	.0828	1.2661	1.1209	.3995
2.000	.2845	.3758	1.6275	1.2472	.9732
3.000	.4042	.6191	1.5900	1.6898	1.0515
4.000	.4803	.5599	1.3082	1.1825	.9070
5.000	.5229	.6761	1.0920	1.3503	.8632
6.000	.5721	.6991	1.0417	.5054	.8313

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0505	.0963	.6816	.6628	.1775
2.000	.3574	.3666	1.3043	1.3960	1.0117
3.000	.5354	.7963	1.3784	1.5030	1.2069
4.000	.6427	.7270	1.3296	1.4669	1.2289
5.000	.7154	.8982	1.2397	1.4292	1.2038
6.000	.7863	.9330	1.2111	.3675	1.1626

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 336

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD09) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0679	.1567	1.6445	.6841	.5765
2.000	.2192	.3996	1.4903	.9527	.6655
3.000	.2789	.4418	1.4250	.7028	.6985
4.000	.3155	.3436	1.0931	.6460	.4526
5.000	.3291	.4475	.8622	.5514	.4480
6.000	.3457	.4537	.7744	.9191	.4228

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0680	.1432	1.4246	.5623	.4723
2.000	.2716	.4135	1.7552	.9541	.7625
3.000	.3578	.5462	1.6259	.8822	.8978
4.000	.4150	.4468	1.2828	.7666	.6049
5.000	.4415	.5715	1.0261	.7938	.5927
6.000	.4675	.5850	.9517	1.0086	.5631

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0197	.0979	1.0024	.9069	.3090
2.000	.2721	.3662	1.5785	1.2131	.7744
3.000	.3859	.6030	1.5356	1.6792	1.0304
4.000	.4594	.4788	1.2900	1.1615	.7068
5.000	.4977	.6511	1.0604	1.3275	.6931
6.000	.5380	.6609	1.0011	.7340	.6577

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 337

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8537 P = .12970 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0264	.0945	.7494	.7399	.2024
2.000	.3228	.3788	1.4603	1.6775	.8070
3.000	.4665	.7093	1.5072	1.6119	1.1620
4.000	.5598	.5918	1.3231	1.5185	.8525
5.000	.6105	.7817	1.1639	1.3655	.8429
6.000	.6665	.7981	1.1172	.7671	.8212

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B	.3011	.4000	.5500	.6000	.8500
POSN					
1.000	.0356	.0950	.5778	.5605	.1389
2.000	.3705	.3875	1.3695	1.4638	.8071
3.000	.5463	.8102	1.4529	1.5558	1.2186
4.000	.6597	.7032	1.3639	1.5124	.9813
5.000	.7265	.9024	1.2481	1.4278	.9916
6.000	.7944	.9312	1.2201	.8406	.9733

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-19B)

PAGE 338

ARC 3.5-19B OH3B 140C ORB WING CLUSTERS

(REZD10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0261	.0961	1.7423	.7863	.7008
2.000	.1807	.3442	1.6231	.9073	.8092
3.000	.2419	.3955	1.4589	.6221	.6449
4.000	.2831	.3391	1.0430	.5963	.5522
5.000	.2983	.4097	.8099	.5043	.5536
6.000	.3145	.4224	.7569	.4579	.5152

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0287	.1100	1.6911	.7331	.5915
2.000	.2340	.3617	1.7099	.8932	.9716
3.000	.3216	.5038	1.6181	.8752	.8636
4.000	.3822	.4403	1.2232	.7474	.7773
5.000	.4122	.5424	.9807	.8200	.7593
6.000	.4386	.5590	.9228	.7152	.7095

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0418	.1025	1.2528	1.1456	.3822
2.000	.2800	.3714	1.6234	1.3295	.9545
3.000	.3919	.6063	1.6833	1.6573	1.0347
4.000	.4756	.5773	1.2839	1.2421	.8806
5.000	.5126	.6635	1.0855	1.3370	.8656
6.000	.5547	.6838	1.0270	.3396	.8094

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 339

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7979 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0474	.0935	.9205	.9033	.2565
2.000	.3310	.3822	1.4839	1.6535	.9948
3.000	.4735	.7115	1.5879	1.5767	1.1891
4.000	.5747	.7313	1.3346	1.5071	1.0828
5.000	.6279	.7952	1.1772	1.3859	1.0530
6.000	.6844	.8128	1.1322	.5874	.9921

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0604	.0919	.6649	.6507	.1797
2.000	.3756	.3852	1.3356	1.3865	.9865
3.000	.5458	.8062	1.4187	1.5038	1.2270
4.000	.6659	.7466	1.3423	1.4796	1.2078
5.000	.7308	.9108	1.2535	1.4279	1.2149
6.000	.8033	.9361	1.2272	.3089	1.1637

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 340

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0263	.0975	1.7933	.7561	.6991
2.000	.1798	.3483	1.6727	.8884	.8121
3.000	.2350	.3926	1.3511	.6264	.6501
4.000	.2712	.3501	1.0058	.5919	.5492
5.000	.2833	.4004	.7822	.5081	.5339
6.000	.2997	.4057	.7076	.4659	.5085

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0292	.0879	1.2980	1.2315	.4583
2.000	.2810	.3800	1.6278	1.2599	1.0572
3.000	.3905	.6009	1.5069	1.6448	1.0238
4.000	.4661	.5594	1.2734	1.1794	.9492
5.000	.5019	.6511	1.0595	1.3149	.9296
6.000	.5431	.6662	.9957	1.1947	.8821

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0520	.0998	.7377	.7445	.2067
2.000	.3789	.4014	1.3843	1.4517	1.0570
3.000	.5456	.8101	1.4379	1.5342	1.2311
4.000	.6631	.6986	1.3544	1.4969	1.2473
5.000	.7288	.8969	1.2442	1.4192	1.2594
6.000	.7952	.9315	1.2156	1.3787	1.2048

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 341

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD12) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDGRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0295	.0975	1.8290	.7850	.7102
2.000	.1798	.3566	1.6147	.9043	.8149
3.000	.2352	.3964	1.4058	.6428	.6586
4.000	.2725	.3181	1.0147	.6010	.5447
5.000	.2957	.4059	.7883	.5021	.5368
6.000	.2997	.4085	.7096	.4557	.5046

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0000	.0000	1.6774	.7087	.0000
2.000	.2303	.3727	.0000	.0000	.0000
3.000	.3159	.5057	.0000	.0000	.0000
4.000	.3733	.4231	.0000	.0000	.0000
5.000	.3980	.5332	.0000	.0000	.0000
6.000	.4237	.5417	.0000	.0000	.0000

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0207	.0870	1.3653	.9961	.4638
2.000	.2773	.3856	1.6928	1.1396	1.0748
3.000	.3890	.6045	1.5854	1.5765	1.0318
4.000	.4689	.5278	1.3194	1.0785	.9423
5.000	.5028	.6529	1.0930	1.3264	.9231
6.000	.5414	.6713	1.0223	1.0477	.8728

DATE 14 NOV 75

TABULATED SOURCE DATA 0H38 (ARC 3.5-198)

PAGE 342

ARC 3.5-198 0H38 140C ORB WING CLUSTERS

(REZD12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0809	.1313	1.0192	1.0126	.3232
2.000	.3614	.4212	1.5494	1.7170	1.1157
3.000	.5031	.7511	1.5321	1.6480	1.2074
4.000	.5998	.6747	1.3589	1.5593	1.1549
5.000	.6506	.8229	1.2044	1.4104	1.1364
6.000	.7030	.8441	1.1528	1.3356	1.0917

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0878	.1463	.7698	.7626	.2192
2.000	.4073	.4293	1.4272	1.4975	1.0822
3.000	.5777	.8429	1.4877	1.5807	1.2561
4.000	.6950	.7570	1.3981	1.5599	1.2702
5.000	.7611	.9351	1.2860	1.4594	1.2663
6.000	.8253	.9666	1.2565	1.4151	1.2387

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 343

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD13) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0103	.0868	1.6802	.8233	6922
2.000	.1704	.3364	1.1972	9091	7956
3.000	.0000	.3951	1.5771	.6807	.6473
4.000	.2727	.3234	1.0698	.6500	.5473
5.000	.2893	.4107	.9091	.5049	.5450
6.000	.3022	.4161	.7583	.4569	.5129

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0135	.0783	1.6929	.6882	.5641
2.000	.2172	.3529	1.7418	.8721	.9162
3.000	.0000	.4982	1.6792	.8402	.8457
4.000	.3681	.4327	1.2546	.7521	.7537
5.000	.3956	.5332	1.0563	.7792	.7391
6.000	.4156	.0000	.8921	.6827	.6929

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0141	.0693	1.3002	1.2178	.4010
2.000	.2761	.3597	1.5429	1.4548	1.0222
3.000	.3923	.6062	1.6545	1.6715	1.0369
4.000	.4746	.5130	1.2976	1.3814	.9737
5.000	.5130	.6717	1.1516	1.3514	.9543
6.000	.5514	.6858	1.0144	1.2318	.9031

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 344

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.6302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0176	.0757	.9849	.9523	.2624
2.000	.3160	.3685	1.4994	1.6483	1.0583
3.000	.4597	.7077	1.5856	1.5952	1.1781
4.000	.5643	.6410	1.3386	1.5236	1.1605
5.000	.6212	.7872	1.2363	1.3915	1.1307
6.000	.6676	.8139	1.1313	1.3246	1.0631

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0574	.0949	.7152	.6979	.1840
2.000	.3811	.3978	1.3853	1.4381	1.0442
3.000	.5545	.8289	1.5328	1.5394	1.2570
4.000	.6798	.7741	1.3771	1.5173	1.2864
5.000	.7491	.9310	1.2958	1.4554	1.2011
6.000	.8141	.9656	1.2510	1.4151	1.2364

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 345

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD14) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12850 CPSTAG = 1.8304

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0135	.0704	1.8029	.7567	.6825
2.000	.1642	.3467	1.5871	.8716	.7807
3.000	.2213	.3816	1.3584	.6161	.6335
4.000	.2565	.2593	1.0035	.5747	.5252
5.000	.2691	.3883	.7831	.4962	.5138
6.000	.2856	.3941	.6871	.4475	.4845

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0150	.0548	1.2825	1.1708	.4310
2.000	.2653	.3830	1.6287	1.2091	1.0388
3.000	.3745	.5884	1.5167	1.6523	1.0092
4.000	.4537	.4541	1.2814	1.1729	.9333
5.000	.4879	.6346	1.0734	1.3075	.9121
6.000	.5275	.6568	.9858	1.1483	.8672

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0280	.0601	.7000	.7080	.1705
2.000	.3606	.4114	1.3678	1.4254	1.0363
3.000	.5266	.7919	1.4278	1.5225	1.1914
4.000	.6462	.6677	1.3323	1.4912	1.2127
5.000	.7124	.8936	1.2481	1.4096	1.2145
6.000	.7731	.9209	1.1961	1.3576	1.1827

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ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 346

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD15) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDGRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.5268

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0105	.0975	1.6814	.8375	.6968
2.000	.1725	.3700	.9119	.9336	.8027
3.000	.0000	.4005	1.3529	.7425	.6451
4.000	.2729	.3268	.8649	.6598	.5349
5.000	.2858	.4095	.9124	.5099	.5425
6.000	.2994	.4148	.7766	.4640	.5104

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0152	.0734	1.3799	1.0113	.4212
2.000	.2677	.3661	1.6811	1.1316	1.0289
3.000	.3808	.5979	1.6796	1.5930	1.0245
4.000	.4603	.5339	1.3320	1.0729	.9454
5.000	.4946	.6568	1.1209	1.3662	.9219
6.000	.5321	.6719	1.0137	1.0413	.8710

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0657	.1008	.7058	.7000	.1808
2.000	.3834	.4339	1.3959	1.4504	1.0403
3.000	.5554	.8247	1.5379	1.5480	1.2519
4.000	.6810	.7547	1.4023	1.5324	1.2740
5.000	.7518	.9326	1.3213	1.4789	1.2795
6.000	.8136	.9626	1.2664	1.4149	1.2310

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 347

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD16) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0000	.2245	1.8277	.8301	.7197
2.000	.1801	.3832	.9117	.9617	.8186
3.000	.2382	.4039	1.2627	.0000	.6352
4.000	.2772	.4281	.7771	.0000	.5358
5.000	.2886	.4068	.8389	.5132	.5197
6.000	.3798	.4044	.7297	.4747	.4958

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0104	.2085	1.7225	.6815	.6096
2.000	.2322	.4025	1.8298	1.0252	.9733
3.000	.3179	.5126	1.6483	.8254	.8416
4.000	.3789	.5434	1.2928	.7480	.7568
5.000	.4001	.5394	1.0263	.7233	.7332
6.000	.4165	.5394	.9185	.6638	.6960

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0000	.1906	1.3955	.7972	.4709
2.000	.2761	.4149	1.7535	1.1173	1.0812
3.000	.3901	.6098	1.6625	.0000	.0000
4.000	.4730	.6481	1.3624	.0000	.9511
5.000	.5062	.6521	1.1389	1.1373	.9211
6.000	.4788	.6644	1.0488	.9650	.8769

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 348

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0234	.1854	1.0106	.9901	.3186
2.000	.3428	.4316	1.5597	1.7718	1.1311
3.000	.4845	.7317	1.5562	1.6618	1.1767
4.000	.5854	.7781	1.3540	1.5521	1.1646
5.000	.6302	.8055	1.2039	1.3997	1.1241
6.000	.6847	.8179	1.1388	1.3212	1.0858

ALPHA (5) = 49.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0247	.1609	.3606	.3468	.1053
2.000	.4415	.4533	1.1930	1.2049	1.0447
3.000	.6607	.9691	1.3689	1.4593	1.3063
4.000	.8158	1.0334	1.4037	1.5199	1.4306
5.000	.9002	1.1094	1.3787	1.5113	1.4488
6.000	.8749	1.1369	1.3769	1.5047	1.4482

DATE 14 NOV 75

TABULATED SOURCE DATA 0H38 (ARC 3.5-198)

PAGE 349

ARC 3.5-198 0H38 140C ORB WING CLUSTERS

(REZD17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.567 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0096	.2226	1.8832	.8280	.7176
2.000	.1751	.3754	.9466	.9432	.8103
3.000	.2330	.3955	1.3510	.7059	.6323
4.000	.2713	.4196	.8528	.6430	.5318
5.000	.2828	.3991	.8188	.5034	.5190
6.000	.4911	.4013	.7180	.4579	.4876

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0000	.0000	1.3586	.8608	.4662
2.000	.2783	.4092	.0000	.0000	1.0847
3.000	.3901	.6094	.0000	.0000	.0000
4.000	.4716	.6495	.0000	.0000	.9587
5.000	.5041	.6585	.0000	.0000	.0000
6.000	.5791	.6668	.0000	.0000	.0000

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0181	.1722	.7531	.7347	.1949
2.000	.3704	.4318	1.4165	1.5704	1.0818
3.000	.5448	.8122	1.4891	1.5859	1.2172
4.000	.6655	.8655	1.3844	1.5580	1.2538
5.000	.7277	.9024	1.2788	1.4586	1.2358
6.000	.6863	.9301	1.2363	1.3977	1.2117

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 350

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0276	.2938	1.0147	.8600	.8046
2.000	.1364	.3960	.7811	.8627	.6782
3.000	.1628	.3199	.6952	.6247	.4919
4.000	.1840	.3353	.4643	.5138	.3548
5.000	.2187	.3038	.3443	.4420	.3395
6.000	1.2111	.2918	.3128	.3945	.3153

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0287	.2687	.9014	.8186	.7304
2.000	.1885	.4217	.8630	.9731	.8117
3.000	.2395	.4156	.7557	.7775	.6227
4.000	.2755	.4376	.5623	.6620	.5086
5.000	.3036	.4074	.4759	.5863	.4817
6.000	1.6004	.4041	.4321	.5364	.4582

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0272	.2331	1.1914	.7529	.6249
2.000	.2400	.4129	.9702	1.0494	.9582
3.000	.3116	.5080	1.1179	.8875	.9149
4.000	.3682	.5367	.8427	.8057	.7231
5.000	.3885	.5286	.9130	.6748	.7001
6.000	.4908	.5203	.7938	.6291	.6679

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 351

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD18)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0319	.2151	1.5391	.6311	.5031
2.000	.2811	.4229	1.7996	1.0353	1.0772
3.000	.3827	.5986	1.7826	.9960	1.0010
4.000	.4590	.6391	1.3995	.9168	.9194
5.000	.4925	.6467	1.1791	.9062	.8899
6.000	.5712	.6447	1.0725	.8382	.8478

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0350	.2056	1.1515	.8315	.3519
2.000	.3278	.4308	1.6884	1.3072	1.1190
3.000	.4630	.6994	1.6696	1.4813	1.1381
4.000	.5631	.7517	1.4107	1.2687	1.1083
5.000	.6046	.7690	1.2418	1.2874	1.0703
6.000	.6822	.7814	1.1555	1.1498	1.0320

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0479	.2058	.8405	.7955	.2526
2.000	.3820	.4571	1.4855	1.5539	1.1248
3.000	.5386	.8115	1.5514	1.6162	1.2364
4.000	.6567	.8627	1.4102	1.5199	1.2558
5.000	.7141	.9063	1.3015	1.4505	1.2231
6.000	1.2263	.9148	1.2360	1.3768	1.2032

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 352

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD18)

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0155	.0061	.6168	.5943	.0319
2.000	.4295	.4701	.0193	.0183	.0319
3.000	.6086	.8985	.0074	.0069	.0110
4.000	.7401	.9586	.0064	.0071	.0287
5.000	.8164	1.0139	.0070	.0068	.0282
6.000	.8890	1.0226	.0040	.0065	.0212

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 353

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD19) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2070.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/D .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0237	.2139	.9381	.7420	.6485
2.000	.1536	.3516	.7046	.8854	.7490
3.000	.1961	.3691	.7243	.6880	.5892
4.000	.2319	.3844	.5436	.5993	.4768
5.000	.2362	.3654	.5791	.4862	.4616
6.000	.2116	.3593	.5051	.4423	.4390

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0253	.2021	1.5605	.6526	.5656
2.000	.2034	.3561	1.3012	.9405	.8857
3.000	.2696	.4528	1.4385	.7403	.7542
4.000	.3281	.4766	1.0357	.6848	.6662
5.000	.3385	.4704	.9363	.6091	.6441
6.000	.1571	.4663	.8255	.5699	.6076

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0286	.1888	1.3266	.6979	.4596
2.000	.2528	.3726	1.6407	.9581	.9862
3.000	.3517	.5413	1.5536	1.0951	.9345
4.000	.4221	.5800	1.2738	.8950	.8597
5.000	.4493	.5808	1.0479	.9846	.8328
6.000	.4772	.5654	.9582	.8378	.8072

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 354

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0313	.1791	1.0041	.9294	.3201
2.000	.3035	.3988	1.4530	1.4570	1.0519
3.000	.4179	.6497	1.5042	1.5354	1.0675
4.000	.5047	.6636	1.2810	1.3285	1.0388
5.000	.5469	.6957	1.0824	1.3132	1.0261
6.000	.2189	.7021	1.0151	1.1802	.9590

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0422	.1757	.7173	.6978	.2297
2.000	.3506	.4109	1.2990	1.4280	1.0046
3.000	.4949	.7392	1.3756	1.4577	1.1286
4.000	.6049	.7914	1.2591	1.4041	1.1558
5.000	.6537	.8333	1.1578	1.3253	1.1474
6.000	.7076	.8423	1.1133	1.2636	1.1244

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0444	.1739	.5670	.5495	.1756
2.000	.3781	.4189	1.2288	1.3021	.9714
3.000	.5499	.8130	1.3369	1.4169	1.1740
4.000	.6751	.8756	1.2763	1.4055	1.2292
5.000	.7383	.9075	1.2168	1.3461	1.2336
6.000	.5419	.5636	1.1759	1.3197	1.2314

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 355

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0158	.2087	.9246	.7452	.6461
2.000	.1385	.3274	.6811	.8770	.7379
3.000	.1825	.3469	.7167	.6937	.5769
4.000	.2164	.3673	.5317	.5982	.4777
5.000	.2409	.3473	.5766	.4821	.4593
6.000	1.0254	.3434	.4964	.4294	.4417

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0208	.1908	1.5853	.6552	.5569
2.000	.1910	.3509	1.2745	.9187	.8739
3.000	.2630	.4389	1.4650	.7281	.7615
4.000	.3170	.4698	1.0534	.6803	.6574
5.000	.3433	.4586	.9296	.5973	.6384
6.000	1.3304	.4600	.8331	.5571	.6054

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0363	.2024	1.4868	.6656	.4864
2.000	.2708	.4078	1.8185	.9923	1.0575
3.000	.3735	.5948	1.7085	1.0572	.9946
4.000	.4467	.6352	1.3721	.9164	.9218
5.000	.4812	.6435	1.1225	.9676	.8834
6.000	1.1321	.6454	1.0227	.8621	.8463

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 356

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0370	.1977	1.1081	.9458	.3419
2.000	.3219	.4189	1.6147	1.4559	1.1026
3.000	.4473	.6912	1.6039	1.6147	1.1288
4.000	.5466	.7404	1.3539	1.3503	1.0984
5.000	.5919	.7598	1.1797	1.3574	1.0618
6.000	1.4722	.7697	1.1126	1.2088	1.0198

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0461	.1925	.7913	.7641	.2405
2.000	.3840	.4505	1.4451	1.5560	1.0800
3.000	.5413	.8067	1.5165	1.5777	1.2203
4.000	.6573	.8638	1.3743	1.5250	1.2367
5.000	.7125	.9035	1.2663	1.4283	1.2230
6.000	.7803	.9131	1.2157	1.3661	1.1918

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0463	.1848	.6043	.5838	.1804
2.000	.4135	.4577	1.3270	1.3847	1.0477
3.000	.5853	.8809	1.4535	1.5128	1.2509
4.000	.7178	.9393	1.3777	1.5106	1.3119
5.000	.7950	.9890	1.3092	1.4401	1.3187
6.000	1.5616	1.0139	1.2777	1.4075	1.3055

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 357

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD30) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0203	.2189	1.8569	.8041	.7134
2.000	.1864	.3732	1.6030	.9514	.8077
3.000	.2445	.4067	1.4040	.6502	.6619
4.000	.2827	.4301	1.0233	.6175	.5471
5.000	.2937	.4130	.7992	.5018	.5321
6.000	.3101	.4135	.7081	.4605	.5040

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0000	.0000	.0000	.0000	.0000
2.000	.0000	.0000	.0000	.0000	.0000
3.000	.0000	.0000	.0000	.0000	.0000
4.000	.0000	.0000	.0000	.0000	.0000
5.000	.0000	.0000	.0000	.0000	.0000
6.000	.0000	.0000	.0000	.0000	.0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12950 CPSTAG = 1.8292

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0208	.1776	1.4879	.7289	.5992
2.000	.2167	.3549	1.5875	.8489	.9703
3.000	.2955	.4860	1.4494	1.5736	.8426
4.000	.3530	.5193	1.1590	1.4728	.7550
5.000	.3771	.5152	.9520	.8377	.7429
6.000	.4002	.5222	.8336	.6921	.6925

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0372	.1821	.7184	.7239	.2704
2.000	.3828	.4339	1.3777	1.4986	1.0007
3.000	.5514	.8219	1.4495	1.5249	1.2263
4.000	.6740	.8705	1.3548	1.5283	1.1341
5.000	.7349	.9175	1.2615	1.4234	1.1483
6.000	.8017	.9360	1.2180	1.3745	1.1497

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0381	.1737	.5627	.5572	.2924
2.000	.4116	.4429	1.2829	1.3390	1.0242
3.000	.6046	.8902	1.4011	1.4884	1.2718
4.000	.7395	.9500	1.3800	1.5245	1.2062
5.000	.8130	1.0080	1.3167	1.4631	1.2363
6.000	.8906	1.0384	1.2979	1.4378	1.2395

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0271	.1506	.4308	.4060	.3405
2.000	.4280	.4311	1.1235	1.1156	1.0340
3.000	.6381	.9496	1.2906	1.4003	1.3024
4.000	.7901	1.0208	1.3433	1.4610	1.2789
5.000	.8773	1.0891	1.3403	1.4580	1.3210
6.000	.9634	1.1237	1.3339	1.4459	1.3232

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 359

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPD8RK = .000
 8DFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 9.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0052	.2080	.9256	.6766	.6200
2.000	.1672	.3613	1.0986	.9402	.6736
3.000	.2281	.3949	1.5285	.6727	.6311
4.000	.2696	.4198	1.0182	.8362	.5389
5.000	.2795	.4036	.8343	.4786	.5310
6.000	.2959	.4057	.7271	.4427	.5033

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0075	.1737	.9185	.8281	.5630
2.000	.2613	.3828	1.6605	1.2031	.8073
3.000	.3787	.5954	1.6613	1.6683	1.0211
4.000	.4585	.6342	1.2955	1.1210	.8206
5.000	.4907	.6553	1.0853	1.3222	.8183
6.000	.5293	.6623	.9959	1.0977	.8077

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 360

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0055	.2012	1.8419	.7928	.7658
2.000	.1123	.3049	1.2989	.7718	.6696
3.000	.1444	.2731	1.0884	.4900	.4727
4.000	.1679	.2957	.7540	.4255	.3574
5.000	.1720	.2682	.6032	.3412	.3578
6.000	.1797	.2645	.4892	.3058	.3301

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0092	.2084	1.9826	.7871	.7099
2.000	.1686	.3586	1.3392	.9294	.8001
3.000	.2273	.3913	1.4895	.6384	.6455
4.000	.2661	.4143	1.0183	.6081	.5322
5.000	.2768	.3969	.7881	.4717	.5156
6.000	.2918	.3995	.7061	.4346	.4877

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0161	.1723	1.5234	.7309	.6333
2.000	.2178	.3566	1.5747	.8751	.9350
3.000	.2960	.4860	1.4715	.9518	.8320
4.000	.3533	.5190	1.1441	.7549	.7503
5.000	.3775	.5113	.9435	.8933	.7181
6.000	.4018	.5193	.8360	.7045	.6810

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 361

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0134	.1806	1.3053	1.0436	.4594
2.000	.2662	.3915	1.6769	1.1610	1.0657
3.000	.3780	.6000	1.5630	1.6254	1.0292
4.000	.4572	.6380	1.2769	1.0832	.9536
5.000	.4895	.6472	1.0734	1.2950	.9212
6.000	.5297	.6613	.9902	1.0424	.8764

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0174	.1698	.9914	.9772	.2980
2.000	.3133	.4041	1.5223	1.7519	1.0888
3.000	.4528	.6971	1.4997	1.6234	1.1615
4.000	.5544	.7450	1.3088	1.5498	1.1381
5.000	.5997	.7716	1.1599	1.3610	1.1084
6.000	.6491	.7902	1.0972	1.2763	1.0563

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0197	.1598	.6992	.6820	.2066
2.000	.3610	.4051	1.3016	1.4424	1.0405
3.000	.5273	.7937	1.4267	1.5186	1.1978
4.000	.6474	.8532	1.3015	1.4966	1.2770
5.000	.7132	.8965	1.2398	1.3968	1.2454
6.000	.7345	.9218	1.1851	1.3379	1.1993

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 362

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD32)

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0286	.1567	.4918	.4880	.1443
2.000	.4031	.4236	1.1987	1.2609	1.0275
3.000	.5875	.8721	1.3573	1.4399	1.2519
4.000	.7212	.9316	1.3159	1.4736	1.3537
5.000	.7969	.9868	1.2803	1.4149	1.3551
6.000	.8735	1.0140	1.2479	1.3872	1.3306

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0912	.0000	.3527	.3226	.0903
2.000	.0000	.4287	1.1379	.0000	1.0174
3.000	.6326	.9531	1.3207	1.4182	.0000
4.000	.7861	1.0257	1.3592	1.4815	1.4172
5.000	.0000	1.1002	1.3539	.0000	1.4434
6.000	.0000	1.1187	1.3444	1.4698	1.4067

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 363

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZ033) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0068	.2196	.9344	.6860	.6272
2.000	.1700	.3654	.9291	.9583	.6801
3.000	.2327	.4009	1.4514	.7248	.6183
4.000	.2736	.4239	.8567	.6640	.5459
5.000	.2839	.4081	.8704	.4912	.5382
6.000	.2986	.4091	.7565	.4581	.5028

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0093	.1685	.8770	.6487	.5666
2.000	.2159	.3477	1.8156	.8836	.7208
3.000	.3024	.4952	1.5160	.9455	.8492
4.000	.3595	.5376	1.1618	.7445	.6936
5.000	.3844	.5325	.9924	.8920	.6923
6.000	.4085	.5365	.8432	.6989	.6625

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.1737	.2452	.9359	.9028	.2706
2.000	.3087	.3801	1.4779	1.6151	1.0639
3.000	.4491	.6935	1.5078	1.5680	1.1469
4.000	.5533	.7665	1.2758	1.4657	1.1855
5.000	.6091	.7874	1.1929	1.3402	1.1822
6.000	.6449	.8004	1.0918	1.2712	1.0477

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 364

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 8500

POSN

1.000	.0160	.1570	.7113	.6993	.3953
2.000	.3529	.4154	1.3643	1.4638	.8552
3.000	.5266	.8005	1.5019	1.5094	1.1923
4.000	.6514	.8585	1.3463	1.5117	.9478
5.000	.7154	.9193	1.2601	1.4238	.6741
6.000	.7788	.9255	1.2103	1.3681	.9792

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 365

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD34) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0000	.2065	1.8334	.7919	.7796
2.000	.1228	.3098	1.2763	.7747	.6823
3.000	.1571	.2812	2.2857	.0000	.4880
4.000	.1785	.3023	1.6163	.0000	.3720
5.000	.1829	.2743	.9341	.3459	.3717
6.000	.1912	.0000	.3556	.3119	.3430

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0082	.2101	1.8576	.7841	.6997
2.000	.1657	.3545	1.4709	.9283	.7932
3.000	.2243	.3878	1.4155	.6475	.6126
4.000	.2611	.4139	1.0127	.6041	.5334
5.000	.2728	.3971	.7959	.4844	.5167
6.000	.2880	.3984	.7100	.4437	.4878

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0147	.1805	1.5546	.7069	.6506
2.000	.2234	.3704	1.6139	.8659	.9497
3.000	.2996	.4958	1.5242	.8909	.8438
4.000	.3613	.5283	1.1703	.7482	.7602
5.000	.3845	.5226	.9580	.7989	.7232
6.000	.4094	.5333	.8524	.6819	.6908

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 366

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0159	.1825	1.3303	1.0502	.4553
2.000	.2702	.3984	1.6931	1.1747	1.0503
3.000	.3825	.6050	1.5859	1.6258	.9818
4.000	.4652	.6447	1.3019	1.0902	.9406
5.000	.4995	.6558	1.0960	1.3098	.9142
6.000	.5350	.6642	1.0051	1.0582	.8688

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0176	.1717	.9859	.9593	.3342
2.000	.3202	.3969	1.4496	1.6962	1.0754
3.000	.4514	.6973	1.5122	1.6353	1.1452
4.000	.5561	.7536	1.2940	1.5376	1.1630
5.000	.6031	.7775	1.1696	1.3510	1.1182
6.000	.4645	.7978	1.0942	1.2849	1.0518

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0186	.1719	.7243	.7169	.1859
2.000	.3573	.4187	1.3987	1.5150	1.0415
3.000	.5288	.7971	1.4723	1.5581	1.1718
4.000	.6481	.8495	1.3693	1.5335	1.2321
5.000	.7112	.8925	1.2727	1.4412	1.2157
6.000	.7754	.9181	1.2323	1.3782	1.1977

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 367

ARC 3.5-198 OH38 140C ORD WING CLUSTERS

(REZD34)

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0285	.1605	.4984	.4929	.1567
2.000	.4095	.4298	1.2073	1.2619	1.0301
3.000	.5867	.8752	1.3581	1.4357	1.2530
4.000	.7236	.9288	1.3169	1.4726	1.3398
5.000	.7981	.9876	1.2841	1.4122	1.3532
6.000	.4275	1.0102	1.2555	1.3885	1.3341

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.1887	.2393	.3538	.3234	.1087
2.000	.4357	.4337	1.1175	1.1186	1.0328
3.000	.6379	.9531	1.3045	1.3936	1.3006
4.000	.7924	1.0206	1.3514	1.4587	1.4320
5.000	.8820	1.0918	1.3454	1.4575	1.4574
6.000	.7861	.0000	1.3302	1.4515	1.4294

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 368

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0058	.2043	1.9099	.7883	.6982
2.000	.1668	.3568	1.3744	.9209	.7985
3.000	.2235	.3862	1.4233	.6335	.6299
4.000	.2611	.4103	.9998	.5925	.5261
5.000	.2755	.3923	.7815	.4731	.5116
6.000	.5929	.3938	.7020	.4282	.4814

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0109	.2037	1.6928	.6619	.5898
2.000	.2187	.3860	1.7318	.9347	.9466
3.000	.3025	.4983	1.5654	.8031	.8000
4.000	.3616	.5296	1.2193	.7050	.7365
5.000	.3835	.5209	.9724	.7168	.7069
6.000	.6373	.5315	.8715	.6428	.6713

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0092	.1735	1.2899	1.1790	.4517
2.000	.2653	.3834	1.6490	1.1944	1.0606
3.000	.3735	.5907	1.5587	1.6654	.9899
4.000	.4513	.6317	1.2712	1.1279	.9494
5.000	.4844	.6424	1.0665	1.3016	.9222
6.000	.6260	.6521	.9825	1.1102	.8786

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-19P)

PAGE 369

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0104	.1671	.9687	.9684	.2950
2.000	.3185	.3994	1.5077	1.7168	1.0870
3.000	.4581	.7051	1.4924	1.6058	1.1209
4.000	.5570	.7487	1.3098	1.5152	1.1263
5.000	.6054	.7770	1.1618	1.3617	1.0943
6.000	.7554	.7939	1.1010	1.2843	1.0570

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12950 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0151	.1612	.7019	.7075	.1808
2.000	.3618	.4136	1.3732	1.5020	1.0509
3.000	.5283	.7973	1.4481	1.5358	1.1817
4.000	.6507	.8512	1.3467	1.5142	1.2323
5.000	.7109	.8945	1.2431	1.4278	1.2261
6.000	.9099	.9201	1.2076	1.3674	1.2064

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0203	.1567	.5039	.5104	.1301
2.000	.3982	.4289	1.2730	1.3287	1.0370
3.000	.5908	.8733	1.3935	1.4732	1.2560
4.000	.7299	.9364	1.3578	1.4969	1.3286
5.000	.8014	.9970	1.3032	1.4522	1.3425
6.000	.7655	1.0233	1.2860	1.4251	1.3290

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 370

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0065	.1904	1.7700	.7225	.7414
2.000	.1183	.2988	1.3316	.7665	.6522
3.000	.1490	.2709	1.0803	.4814	.4788
4.000	.1727	.2900	.7520	.4138	.3653
5.000	.1775	.2670	.5845	.3564	.3595
6.000	.1860	.2638	.4884	.3126	.3357

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0057	.1777	1.5619	.6848	.5668
2.000	.2025	.3593	1.5994	.8643	.9236
3.000	.2846	.4717	1.4419	.8440	.7903
4.000	.3434	.5018	1.1497	.7154	.7245
5.000	.3637	.4951	.9232	.7817	.6954
6.000	.1182	.5071	.8343	.6612	.6597

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0247	.1785	1.2340	1.2131	.4500
2.000	.2698	.3822	1.5580	1.3520	1.0587
3.000	.3788	.6010	1.5032	1.6824	1.0136
4.000	.4559	.6410	1.2651	1.2911	.9703
5.000	.4912	.6499	1.0816	1.2945	.9512
6.000	.5269	.6653	.9785	1.1874	.8832

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 371

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12550 CPSTAG = 1.8318

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0216	.1573	.4949	.4897	.1413
2.000	.3912	.4191	1.2264	1.2552	1.0051
3.000	.5755	.8571	1.3475	1.4303	1.2119
4.000	.7067	.9192	1.3227	1.4484	1.2885
5.000	.7788	.9716	1.2670	1.3943	1.3026
6.000	.8535	.9953	1.2406	1.3642	1.2930

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.2074	.2680	.3612	.3276	.1167
2.000	.4318	.4364	1.1366	1.1418	1.0303
3.000	.6394	.9545	1.3160	1.4246	1.3025
4.000	.7961	1.0290	1.3653	1.4761	1.4314
5.000	.8868	1.1018	1.3593	1.4803	1.4631
6.000	.9061	1.1266	1.3499	1.4647	1.4267

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 372

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(REZD37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5 050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0013	.1981	.9209	.6557	.6930
2.000	.1141	.3063	1.2323	.7863	.6165
3.000	.1491	.2715	1.1099	.4723	.4667
4.000	.1715	.2884	.7525	.4175	.3786
5.000	.1769	.2652	.5969	.3341	.3605
6.000	.2040	.2658	.4923	.2988	.3396

ALPHA (2) = 19.829 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0041	.1842	1.8632	.7156	.6736
2.000	.1568	.3341	1.4494	.8884	.7825
3.000	.2141	.3683	1.3757	.6186	.6170
4.000	.2533	.3932	.9735	.5574	.5216
5.000	.2666	.3760	.7850	.4803	.5120
6.000	.0741	.3834	.6783	.4268	.4841

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 373

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(REZD38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDGRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0038	.1815	.8906	.6107	.6470
2.000	.1606	.3374	1.4692	.8760	.6692
3.000	.2194	.3800	1.3948	.5974	.6311
4.000	.2606	.4037	.9991	.5510	.5537
5.000	.2728	.3892	.7940	.4730	.5309
6.000	.2868	.3952	.6813	.4295	.4988

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0068	.1661	1.6146	.6947	.6078
2.000	.2091	.3507	1.5705	.8684	.7398
3.000	.2879	.4789	1.5439	.8969	.8585
4.000	.3575	.5238	1.1705	.7410	.7019
5.000	.3822	.5179	.9711	.8023	.6831
6.000	.1478	.5271	.8444	.6758	.6591

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 374

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0161	.0712	1.7416	.7247	.6727
2.000	.1629	.3421	1.6383	.8563	.7789
3.000	.2183	.3753	1.3443	.6113	.6295
4.000	.2544	.2740	.9796	.5676	.5249
5.000	.2681	.3850	.7647	.4966	.5134
6.000	.2828	.3920	.6745	.4431	.4928

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0185	.0665	1.5501	.7154	.5562
2.000	.2142	.3620	1.6559	.8514	.9321
3.000	.2991	.4802	1.4798	.8613	.8327
4.000	.3567	.3729	1.1802	.7437	.7304
5.000	.3810	.5093	.9518	.7991	.7146
6.000	.4062	.5233	.8423	.6815	.6324

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0136	.0629	1.2632	1.1552	.4242
2.000	.2584	.3800	1.5604	1.1957	1.0249
3.000	.3713	.5774	1.5218	1.6531	.9914
4.000	.4482	.4763	1.2672	1.1470	.9204
5.000	.4820	.6291	1.0566	1.2905	.8991
6.000	.5177	.6492	.9730	1.1395	.8546

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 375

ARC 3.5-198 OH38 140C OR8 WING CLUSTERS

(XEZD03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

ZY/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0247	.0526	.8877	.9005	.2674
2.000	.3215	.3918	1.3913	1.5626	1.0593
3.000	.4537	.6815	1.4333	1.5115	1.1229
4.000	.5523	.5263	1.2531	1.4373	1.0892
5.000	.6009	.7564	1.1154	1.2965	1.0802
6.000	.6527	.7746	1.0576	1.2211	1.0398

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.8542 P = .12410 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

ZY/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0379	.0673	.6615	.6728	.1758
2.000	.3674	.4100	1.2792	1.3650	1.0358
3.000	.5314	.7836	1.3879	1.4648	1.1884
4.000	.6489	.6329	1.2933	1.4435	1.2042
5.000	.7098	.8794	1.2000	1.3633	1.2110
6.000	.7735	.9098	1.1613	1.3099	1.1938

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

ZY/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0542	.0822	.4929	.4972	.1321
2.000	.3929	.4153	1.2050	1.2408	1.0198
3.000	.5807	.8521	1.3583	1.4294	1.2375
4.000	.7124	.7398	1.3299	1.4496	1.3038
5.000	.7878	.9702	1.2793	1.4145	1.3284
6.000	.8626	1.0116	1.2476	1.3812	1.3059

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 376

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD03)

ALPHA (7) = 13.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0670	.0910	.3289	.3232	.1029
2.000	.4257	.0000	1.1529	1.1257	1.0086
3.000	.6301	.9139	1.3241	1.4133	1.2852
4.000	.7754	.7834	1.3540	1.4792	1.3584
5.000	.8593	1.0501	.0000	1.4665	1.3887
6.000	.9463	1.0832	1.3571	1.4605	1.3994

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 377

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD04) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0061	.2039	2.0215	.6811	.6412
2.000	.1673	.3615	1.3333	.9340	.6910
3.000	.2294	.3901	1.5004	.6346	.6403
4.000	.2701	.4122	1.0420	.6320	.5545
5.000	.2829	.3972	.8281	.4848	.5318
6.000	.2730	.4008	.7201	.4399	.5003

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0104	.0663	1.7027	.6880	.5798
2.000	.2201	.3741	1.7155	.9113	.9513
3.000	.3109	.5039	1.6559	.8305	.8629
4.000	.3716	.4286	1.2289	.7598	.7901
5.000	.3942	.5341	1.0163	.7678	.7511
6.000	.4206	.5428	.8818	.6833	.7064

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0113	.0586	1.3735	1.0632	.4293
2.000	.2630	.3848	1.6673	1.1625	1.0522
3.000	.3795	.5967	1.6587	1.6715	1.0252
4.000	.4584	.5316	1.2933	1.1108	.9603
5.000	.4942	.6558	1.0960	1.3453	.9358
6.000	.5311	.6683	1.0070	1.1073	.8838

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 378

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD04)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1 000	.0214	.0494	.8893	.8691	.2455
2.000	.3182	.3879	1.4430	1.5538	1.0441
3.000	.4643	.6996	1.5127	1.5202	1.1590
4 000	.5592	.6310	1.2847	1.4757	1.1472
5.000	.6163	.8008	1.1694	1.3489	1.1142
6.000	.6711	.8083	1.0954	1.2717	1.0647

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1 000	.0390	.0593	.6198	.6254	.1567
2.000	.3567	.4045	1.2969	1.3237	1.0077
3.000	.5293	.7965	1.4445	1.4461	1.2182
4 000	.6523	.6920	1.3220	1.4431	1.2458
5.000	.7131	.9041	1.2477	1.3966	1.2506
6.000	.7826	.9281	1.1928	1.3429	1.2217

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1 000	.0625	.0819	.4547	.4473	.1179
2.000	.3910	.4130	1.2157	1.2031	1.0224
3.000	.5803	.8644	1.3738	1.4160	1.2693
4 000	.7181	.7974	1.3439	1.4504	1.3442
5.000	.7973	1.0070	1.3013	1.4373	1.3495
6.000	.8728	1.0219	1.2702	1.4005	1.3391

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 379

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD05) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0075	.2065	1.4161	.7824	.6940
2.000	.1674	.3545	1.5123	.9485	.7922
3.000	.2238	.3874	1.4045	.6358	.6378
4.000	.2620	.4104	1.0185	.6123	.5341
5.000	.2738	.3951	.7941	.4870	.5156
6.000	.3090	.3953	.6988	.4424	.4866

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0157	.1816	1.1602	.9520	.4533
2.000	.2725	.4012	1.6723	1.1781	.9910
3.000	.3803	.6035	1.5790	1.5751	1.0096
4.000	.4617	.6426	1.3051	1.0785	.9270
5.000	.4964	.6542	1.0959	1.2972	.8982
6.000	.5322	.6647	1.0070	1.0286	.8580

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0326	.1650	.8996	.8951	.2992
2.000	.3108	.3856	1.3845	1.5918	.9757
3.000	.4441	.6907	1.4260	1.5222	1.1187
4.000	.5412	.7345	1.2463	1.4410	1.0345
5.000	.5895	.7600	1.1321	1.2976	1.0254
6.000	.6397	.7802	1.0606	1.2292	1.0029

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 380

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD05)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0187	.1693	.7527	.7466	.2623
2.000	.3696	.4268	1.3904	1.5217	.9913
3.000	.5407	.8252	1.4622	1.5339	1.2059
4.000	.6610	.8771	1.3657	1.5417	1.1244
5.000	.7295	.9250	1.2644	1.4298	1.1316
6.000	.7429	.9521	1.2249	1.3735	1.1224

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0394	.1553	.5315	.5174	.2904
2.000	.3950	.4162	1.2051	1.2235	1.0014
3.000	.5798	.8643	1.3331	1.4246	1.2462
4.000	.7152	.9232	1.3112	1.4440	1.1866
5.000	.7887	.9811	1.2728	1.4005	1.2182
6.000	.8614	1.0100	1.2473	1.3720	1.2199

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0391	.1468	.4335	.4059	.2939
2.000	.4214	.4280	1.1197	1.1088	1.0294
3.000	.6278	.9374	1.2952	1.3920	1.2796
4.000	.7825	1.0107	1.3382	1.4545	1.2403
5.000	.8678	1.0808	1.3347	1.4466	1.2854
6.000	.5002	1.1118	1.3308	1.4456	1.2905

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 381

ARC 3.5-198 OH38 :40C ORB WING CLUSTERS

(XEZD06) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.531 P = .28000 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0022	.1790	.8766	.6027	.6131
2.000	.1591	.3345	1.4728	.8564	.6618
3.000	.2175	.3791	1.3503	.5831	.6250
4.000	.2579	.4040	.9956	.5276	.5346
5.000	.2700	.3863	.7965	.4649	.5149
6.000	.2852	.3934	.6711	.4185	.4908

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0096	.1682	.8751	.6555	.5840
2.000	.2140	.3438	1.6217	.8789	.7316
3.000	.2998	.4914	1.5386	.9368	.8484
4.000	.3612	.5400	1.1690	.7396	.7034
5.000	.3877	.5289	.9966	.8677	.7021
6.000	.4087	.5339	.8562	.6998	.6653

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/R .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0067	.1542	.8812	.8373	.5570
2.000	.2530	.3615	1.5457	1.4021	.7995
3.000	.3626	.5745	1.5301	1.6060	.9852
4.000	.4417	.6241	1.2322	1.2883	.8101
5.000	.4774	.6360	1.0636	1.2556	.8081
6.000	.0795	.6489	.9600	1.1451	.7935

REPRODUCIBILITY OF THE
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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 382

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0142	.1547	.8770	.8316	.5392
2.000	.3107	.3804	1.4643	1.6241	.8563
3.000	.4506	.6978	1.5188	1.5663	1.1365
4.000	.5548	.7650	1.2799	1.4638	.9182
5.000	.6127	.7907	1.1905	1.3417	.9335
6.000	.6457	.7958	1.0968	1.2674	.9138

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 383

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDGRK = .000
 BDFLAP = 000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0000	.0000	1.8472	.8119	.7651
2.000	.1162	.3175	.0000	.0000	.6715
3.000	.1487	.2831	.0000	.0000	.4739
4.000	.1735	.3036	.0000	129.0210	.3590
5.000	.1770	.2751	.0000	.3406	.3521
6.000	.1839	.2772	.0000	.3075	.3266

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0120	.2091	1.8579	.7925	.7128
2.000	.1668	.3555	1.5350	.9355	.8015
3.000	.2260	.3899	1.4318	.6356	.6453
4.000	.2656	.4145	1.0018	.6053	.5345
5.000	.2750	.3971	.7866	.4813	.5198
6.000	.2912	.3973	.6976	.4389	.4930

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0106	.1882	1.5621	.6640	.5916
2.000	.2155	.3752	1.6578	.8410	.9543
3.000	.2958	.4950	1.5304	.8186	.8201
4.000	.3577	.5320	1.1824	.6937	.7309
5.000	.3815	.5229	.9693	.7137	.7159
6.000	.1689	.5361	.8468	.6407	.6682

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 384

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0149	.1838	1.1553	1.0249	.4634
2.000	.2686	.3917	1.6710	1.2121	.9761
3.000	.3813	.6029	1.5672	1.6673	1.0320
4.000	.4605	.6414	1.2872	1.1352	.9294
5.000	.4951	.6521	1.0858	1.3111	.9020
6.000	.5335	.6648	1.0013	1.1003	.8689

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0205	.1710	.9094	.9209	.3132
2.000	.3228	.3952	1.4287	1.6191	.9924
3.000	.4573	.7061	1.4727	1.5634	1.1519
4.000	.5544	.7515	1.2908	1.4591	1.0805
5.000	.6062	.7799	1.1565	1.3277	1.0827
6.000	.6550	.7969	1.0795	1.2580	1.0235

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0199	.1690	.7258	.7211	.2787
2.000	.3617	.4176	1.3689	1.5080	.9964
3.000	.5326	.8005	1.4494	1.5272	1.2110
4.000	.6557	.8525	1.3443	1.5305	1.1394
5.000	.7152	.8998	1.2511	1.4188	1.1470
6.000	.7789	.9230	1.2124	1.3626	1.1441

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 385

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(XEZD11)

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0267	.1598	.5194	.5175	.2961
2.000	.4033	.4243	1.2243	1.2489	1.0359
3.000	.5915	.8785	1.3627	1.4487	1.2587
4.000	.7291	.9414	1.3344	1.4614	1.2334
5.000	.8032	1.0012	1.2947	1.4259	1.2740
6.000	.8797	1.0255	1.2631	1.4028	1.2625

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0252	.1530	.3498	.3241	.1136
2.000	.4276	.4305	1.1296	1.1301	1.0264
3.000	.6354	.9523	1.3190	1.4133	1.2988
4.000	.7909	1.0241	1.3636	1.4721	1.4265
5.000	.8783	1.0988	1.3518	1.4703	1.3351
6.000	.9630	1.1238	1.3374	1.4691	1.3452

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 386

ARC 3.5-198 OH38 140C ORB WING CLUSTERS

(YEZD03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0062	.1823	1.7539	.6832	.7437
2.000	.1656	.3353	1.4530	.8669	.7902
3.000	.2168	.3783	1.3231	.6106	.6309
4.000	.2560	.4015	.9427	.5561	.5314
5.000	.2679	.3852	.7778	.4899	.5139
6.000	.2818	.3869	.6724	.4376	.4827

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B 3011 .4000 .5500 .6000 .8500

POSN

1.000	.0130	.1777	1.1424	1.0492	.4690
2.000	.2693	.3882	1.6344	1.2269	.9508
3.000	.3788	.5958	1.5405	1.6387	1.0199
4.000	.4568	.6323	1.2746	1.1391	.9130
5.000	.4905	.6481	1.0729	1.2967	.8887
6.000	.5423	.6547	.9863	1.1066	.8558

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0161	.1616	.9438	.9148	.3314
2.000	.3151	.3909	1.4121	1.6528	1.0772
3.000	.4495	.6952	1.4672	1.5790	1.1415
4.000	.5461	.7414	1.2548	1.4880	1.1581
5.000	.5938	.7658	1.1424	1.3188	1.1051
6.000	.6451	.7829	1.0701	1.2452	1.0419

DATE 14 NOV 75

TABULATED SOURCE DATA OH36 (ARC 3.5-198)

PAGE 387

ARC 3.5-198 OH36 140C ORB WING CLUSTERS

(YEZD03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0171	.1670	.7243	.7234	.3246
2.000	.3596	.4168	1.3799	1.5246	.9841
3.000	.5330	.8012	1.4566	1.5391	1.2000
4.000	.6559	.8557	1.3564	1.5367	1.1138
5.000	.7149	.8981	1.2558	1.4270	1.1239
6.000	.7665	.9216	1.2132	1.3743	1.1221

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0190	.1514	.5207	.5141	.5475
2.000	.3940	.4145	1.2013	1.2741	.9868
3.000	.5810	.8633	1.3621	1.4325	1.2671
4.000	.7122	.9287	1.3089	1.4762	1.1890
5.000	.7924	.9852	1.2955	1.4230	1.2047
6.000	.5758	1.0069	1.2506	1.3940	1.2034

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 388

ARC 3.5-198 OH3B 140C ORB WING CLUSTERS

(YEZD04) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.564 P = .28220 CPSTAG = 1.8289

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0119	.1712	.8914	.8534	.5450
2.000	.2729	.3834	1.6246	1.4429	.7964
3.000	.3907	.6097	1.6359	1.6487	1.0384
4.000	.4721	.6529	1.2773	1.3607	.8237
5.000	.5062	.6733	1.0866	1.3380	.8180
6.000	.4318	.6690	1.0064	1.2095	.8060

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) WING CLUSTERS

DEPENDENT VARIABLE CP

2Y/B .3011 .4000 .5500 .6000 .8500

POSN

1.000	.0177	.1540	.7390	.7515	.6762
2.000	.3581	.4130	1.3417	1.4463	.9019
3.000	.5286	.8041	1.4766	1.4745	1.2275
4.000	.6566	.8652	1.3399	1.5112	.9907
5.000	.7212	.9225	1.2600	1.4259	1.0115
6.000	.1763	.9234	1.2138	1.3700	1.0174

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 389

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .2225 .0903 .1955
2.000 .1802 .1476 .1734
3.000 .2207 .2371 .1861

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0061 -.0008 -.0018
2.000 .0317 .0201 .0154
3.000 .0140 .0158 .0313

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0080 .0076 .0079
2.000 .0274 .0256 .0230
3.000 .0198 .0203 .0402

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0095 -.0095 -.0086
2.000 -.0012 -.0023 .0058
3.000 -.0013 -.0027 .0304

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 390

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE02) (23 SEP 74)

REFERENCE DATA

SREF = 2696.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0155 .0141 .0079
2.000 .1330 .0526 .0301
3.000 .0418 .0469 .0314

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0011 -.0072 -.0081
2.000 .0192 .0156 .0113
3.000 .0061 .0077 .0085

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0112 -.0118 -.0122
2.000 -.0020 .0014 -.0001
3.000 -.0044 -.0038 .0036

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 391

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE03) (23 SEP 74)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0564 .0404 .0330
2.000 .1386 .0866 .0578
3.000 .0715 .0685 .0670

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0442 .0315 .0274
2.000 .0885 .0541 .0434
3.000 .0511 .0532 .0588

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0388 .0289 .0262
2.000 .0607 .0484 .0421
3.000 .0436 .0445 .0522

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0245 .0227 .0230
2.000 .0423 .0408 .0369
3.000 .0347 .0343 .0446

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 392

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE03)

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0261	.0226	.0206
2.000	.0318	.0357	.0360
3.000	.0311	.0301	.0567

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 393

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.2409 -.2515 -.2380
 2.000 -.1390 -.2083 -.2314
 3.000 -.2112 -.2158 -.2206

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0128 .0072 .0073
 2.000 .0755 .0308 .0195
 3.000 .0269 .1200 .0282

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0100 .0045 .0046
 2.000 .0292 .0305 .0233
 3.000 .0166 .1909 .0183

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0090 -.0099 -.0096
 2.000 .0052 .0091 .0025
 3.000 .0016 .0014 .0064

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 394

ARC 3.5-198 OH38 1400 ORB WINDSHIELD

(REZE04)

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0143	-.0145	-.0144
2.000	-.0036	-.0021	-.0050
3.000	-.0069	-.0060	-.0050

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 395

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0462	.0393	.0371
2.000	.0685	.0582	.0520
3.000	.0528	.0520	.0616

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0682	.0562	.0473
2.000	.1370	.0956	.0709
3.000	.0862	.0856	.0846

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0300	.0299	.0296
2.000	.0381	.0488	.0445
3.000	.0375	.0485	.0548

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 396

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE06) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0365 .0277 .0192
 2.000 .1426 .0712 .0424
 3.000 .0593 .0558 .0498

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0020 -.0045 -.0054
 2.000 .0224 .0183 .0080
 3.000 .0099 .0104 .0035

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0010 -.0004 -.0001
 2.000 .0085 .0124 .0106
 3.000 .0065 .0074 .0152

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 397

ARC 3.5-198 OH38 140C ORB WINDSHIELD

.(REZE07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0727 .0622 .0536
 2.000 .1467 .1069 .0745
 3.000 .0906 .0908 .0851

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0525 .0430 .0413
 2.000 .0740 .0629 .0607
 3.000 .0577 .0585 .0538

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0345 .0345 .0345
 2.000 .0428 .0497 .0495
 3.000 .0424 .0430 .0529

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 398

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE08) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.2054 -.2118 -.2199
 2.000 -.0980 -.1396 -.1979
 3.000 -.1804 -.1854 -.1940

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1368 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0191 .0114 .0105
 2.000 .0402 .0355 .0297
 3.000 .0268 .0280 .0256

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0029 .0022 .0020
 2.000 .0106 .0140 .0125
 3.000 .0087 .0093 .0160

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 399

ARC 3.5-198 OH3B 140C ORB WINDSHIELD

(REZE09) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDGRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0710 .0585 .0516
 2.000 .1478 .0990 .0728
 3.000 .0892 .0913 .0839

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0604 .0500 .0452
 2.000 .1175 .0747 .0610
 3.000 .0689 .0729 .0738

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0133 .0044 .0041
 2.000 .0343 .0000 .0211
 3.000 .0195 .0201 .0155

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0012 -.0015 .0000
 2.000 .0175 .0178 .0108
 3.000 .0106 .0113 .0108

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 400

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE09)

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0035	-.0036	-.0018
2.000	.0044	.0117	.0075
3.000	.0040	.0048	.0076

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 401

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPOBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0344 .0288 .0182
 2.000 .1389 .0733 .0471
 3.000 .0590 .0440 .0408

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0285 .0167 .0122
 2.000 .1043 .0383 .0311
 3.000 .0353 .0334 .0351

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0168 .0092 .0092
 2.000 .0423 .0324 .0290
 3.000 .1029 .0263 .0235

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0096 .0067 .0056
 2.000 .0210 .0262 .0194
 3.000 .0188 .0190 .0217

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 402

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE10)

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0075	.0050	.0056
2.000	.0167	.0183	.0196
3.000	.0139	.0140	.0196

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 403

ARC-3.5-198 OH38 140C ORB WINDSHIELD

(REZE11) 4(23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
ELEV-R = 9 100 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0453 .0292 .0226
2.000 .1133 .0754 .0512
3.000 .0623 .0537 .0515

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0221 .0147 .0125
2.000 .0449 .0354 .0313
3.000 .0280 .0667 .0318

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0053 .0113 .0054
2.000 .0140 .0284 .0203
3.000 .0138 .1027 .0278

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 404

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE12) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0377 .0277 .0188
 2.000 .1086 .0633 .0386
 3.000 .0551 .0344 .0435

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0218 .0000 .0000
 2.000 .0701 .0302 .0000
 3.000 .0333 .0298 .0000

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0130 .0085 .0050
 2.000 .0390 .0340 .0135
 3.000 .0217 .0344 .0132

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0284 .0293 .0280
 2.000 .0477 .0511 .0416
 3.000 .0396 .0508 .0497

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 405

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE12) ~~REZE12~~

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTA0 = 1.8292

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0255	.0277	.0254
2.000	.0345	.0430	.0389
3.000	.0341	.0594	.0490

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 406

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE13) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0196 .0109 .0034
 2.000 .1113 .0542 .0311
 3.000 .0425 .0173 .0314

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0068 .0022 -.0008
 2.000 .0734 .0224 .0176
 3.000 .0217 .0134 .0216

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0021 -.0050 -.0048
 2.000 .0132 .0158 .0041
 3.000 .0085 .0055 .0024

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0101 -.0112 -.0119
 2.000 .0050 .0114 -.0011
 3.000 .0008 .0054 -.0010

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 407

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE13)

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0041	.0034	.0035
2.000	.0137	.0162	.0173
3.000	.0125	.0118	.0175

DATE 14 NOV 75

TABULATED SOURCE DATA OH39 (ARC 3.5-198)

PAGE 408

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0234 .0103 -.0000
 2.000 .0927 .0462 .0251
 3.000 .0383 .0352 .0254

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0040 -.0063 -.0114
 2.000 .0190 .0149 .0030
 3.000 .0053 .0455 .0042

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0166 -.0122 -.0177
 2.000 -.0078 .0045 -.0038
 3.000 -.0087 .0782 .0010

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 409

ARC 3.5-198 OH3B 140C ORB WINDSHIELD

(REZE15) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0209 .0109 .0038
2.000 .1119 .0524 .0320
3.000 .0437 .0221 .0320

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 -.0008 -.0011 -.0045
2.000 .0199 .0218 .0048
3.000 .0110 .0220 .0048

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0071 .0062 .0059
2.000 .0174 .0203 .0174
3.000 .0160 .0256 .0234

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 410

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE16) (1' NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290 3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0211	.0129	.0045
2.000	.0946	.0509	.0256
3.000	.0396	.0491	.0262

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0084	.0004	-.0044
2.000	.0499	.0215	.0112
3.000	.0181	.0553	.0123

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0027	-.0079	-.0106
2.000	.0200	.0175	-.0007
3.000	.0059	.0769	-.0003

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0103	-.0090	-.0110
2.000	.0077	.0172	-.0027
3.000	.0003	.1523	-.0028

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 411

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE16)

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTA0 = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0188	-.0158	-.0180
2.000	-.0063	.0168	-.0070
3.000	-.0097	.2990	-.0062

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 412

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE17) (26 JUL 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = -1.000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0217	.0155	.0011
2.000	.0953	.0538	.0244
3.000	.0395	.0646	.0267

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0028	-.0082	-.0106
2.000	.0195	.0177	.0057
3.000	.0059	.0825	.0002

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0168	-.0139	-.0156
2.000	-.0101	.0150	-.0042
3.000	-.0086	.1151	-.0059

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 413

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = 0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
SDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0703 .0540 .0363
2.000 .1594 .1140 .0652
3.000 .0744 .0716 .0582

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0391 .0345 .0203
2.000 .1020 .0704 .0380
3.000 .0504 .0391 .0380

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0218 .0169 .0102
2.000 .0519 .0367 .0270
3.000 .0301 .0301 .0236

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0126 .0110 .0072
2.000 .0334 .0261 .0202
3.000 .0201 .0195 .0170

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 414

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE18)

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0036	.0099	.0047
2.000	.0209	.0101	.0152
3.000	.0126	.0100	.0129

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0031	.0027	.0121
2.000	.0142	.0142	.0130
3.000	.0113	.0090	.0114

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0034	-.0016	.0124
2.000	.0152	.0122	.0132
3.000	.0104	.0062	.0138

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 415

ARC 3.5-198 OH3B 140C ORB WINDSHIELD

(REZE19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0357 .0279 .0156
2.000 .0874 .0624 .0374
3.000 .0463 .0445 .0328

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0227 .0161 .0094
2.000 .0649 .0380 .0240
3.000 .0295 .0299 .0216

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0119 .0092 .0101
2.000 .0371 .0250 .0099
3.000 .0190 .0193 .0095

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0036 .0019 .0023
2.000 .0197 .0165 .0020
3.000 .0110 .0111 .0019

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 416

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE19)

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0019	.0011	.0099
2.000	.0145	.0120	.0101
3.000	.0097	.0071	.0098

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0009	.0090	.0098
2.000	.0151	.0096	.0099
3.000	.0082	.0046	.0092

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 417

ARC 3.5-198 OH3B 140C ORB WINDSHIELD

(REZE20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) WINDSHIELD DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0288 .0192 .0100
2.000 .0792 .0550 .0294
3.000 .0376 .0355 .0238

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) WINDSHIELD DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0158 .0083 .0027
2.000 .0578 .0307 .0170
3.000 .0216 .0220 .0138

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WINDSHIELD DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0163 .0127 .0109
2.000 .0418 .0294 .0226
3.000 .0229 .0232 .0186

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WINDSHIELD DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0073 .0207 .0058
2.000 .0234 .0203 .0000
3.000 .0151 .0147 .0145

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 418

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE20)

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0013	.0004	.0009
2.000	.0167	.0133	.0007
3.000	.0097	.0071	.0005

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0004	-.0001	.0095
2.000	.0171	.0001	.0094
3.000	.0099	-.0001	-.0003

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 419

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0361 .0243 .0161
 2.000 .1092 .0644 .0361
 3.000 .0526 .0541 .0409

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0000 .0000 .0000
 2.000 .0000 .0000 .0000
 3.000 .0000 .0000 .0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0121 .0056 -.0019
 2.000 .0614 .0259 .0111
 3.000 .0209 .0223 .0154

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0048 -.0040 -.0040
 2.000 .0072 .0100 .0094
 3.000 .0054 .0049 .0091

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 420

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE30)

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0046	-.0049	-.0044
2.000	.0099	.0034	.0073
3.000	.0036	.0034	0120

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0165	-.0166	-.0168
2.000	-.0010	-.0054	-.0059
3.000	-.0099	-.0110	-.0007

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 421

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0154 .0073 -.0024
2.000 .1089 .0565 .0188
3.000 .0370 .0356 .0235

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 -.0054 -.0116 -.0123
2.000 .0170 .0120 .0049
3.000 .0039 .0051 -.0012

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 422

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE32) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0543	.0311	.0191
2.000	.1616	.1021	.0471
3.000	.0678	.0628	.0487

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0236	.0118	.0041
2.000	.0989	.0535	.0286
3.000	.0415	.0419	.0288

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0099	.0045	-.0036
2.000	.0609	.0243	.0082
3.000	.0196	.0215	.0142

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0004	-.0082	-.0089
2.000	.0222	.0119	.0080
3.000	.0069	.0081	.0011

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 423

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE32)

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0123	-.0136	-.0132
2.000	.0056	.0052	.0007
3.000	-.0016	-.0012	-.0038

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0149	-.0167	-.0167
2.000	-.0050	-.0072	-.0033
3.000	-.0076	-.0075	-.0061

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0157	-.0170	-.0169
2.000	-.0003	-.0038	-.0068
3.000	-.0087	-.0090	-.0063

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0182	-.0155	-.0155
2.000	-.0036	-.0084	-.0074
3.000	.0000	-.0121	.0059

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 424

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE33) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPOBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN	1.000	2.000	3.000
1.000	.0164	.0076	-.0014
2.000	.1102	.0603	.0224
3.000	.0391	.0307	.0222

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN	1.000	2.000	3.000
1.000	.0035	-.0010	-.0060
2.000	.0691	.0206	.0069
3.000	.0147	.0154	.0128

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN	1.000	2.000	3.000
1.000	-.0116	-.0158	-.0162
2.000	.0011	.0047	-.0005
3.000	-.0031	-.0026	.0017

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN	1.000	2.000	3.000
1.000	-.0160	-.0167	-.0160
2.000	-.0072	-.0043	-.0046
3.000	-.0076	-.0093	-.0030

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 425

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0591 .0411 .0247
 2.000 .1588 .0962 .0558
 3.000 .0764 .0728 .0553

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0236 .0119 .0022
 2.000 .0963 .0556 .0221
 3.000 .0390 .0396 .0257

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0143 .0085 .0013
 2.000 .0718 .0288 .0143
 3.000 .0242 .0262 .0205

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0001 -.0066 -.0107
 2.000 .0208 .0108 .0072
 3.000 .0057 .0062 -.0003

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 426

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE34)

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0060	-.0088	-.0076
2.000	.0103	.0114	.0054
3.000	.0028	.0037	.0009

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0163	-.0147	-.0170
2.000	-.0089	-.0036	-.0048
3.000	-.0092	-.0106	-.0069

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0102	-.0123	-.0117
2.000	.0054	.0009	-.0015
3.000	-.0034	-.0040	-.0015

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0069	.0020	-.0036
2.000	.0079	.0013	.0030
3.000	.0017	-.0003	.0236

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 427

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0259 .0145 .0016
 2.000 .0998 .0589 .0228
 3.000 .0394 .0387 .0254

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0110 .0039 -.0046
 2.000 .0765 .0252 .0151
 3.000 .0192 .0216 .0113

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0053 -.0127 -.0134
 2.000 .0159 .0066 .0032
 3.000 .0017 .0027 -.0039

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0146 -.0176 -.0165
 2.000 -.0013 -.0009 -.0044
 3.000 -.0067 -.0064 -.0088

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 428

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE35)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0168	-.0136	-.0171
2.000	-.0111	-.0133	-.0078
3.000	-.0105	-.0125	-.0103

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0151	-.0151	-.0166
2.000	-.0025	-.0070	-.0054
3.000	-.0095	-.0153	-.0063

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 429

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 .0529 .0324 .0167
 2.000 .1545 .0980 .0484
 3.000 .0705 .0683 .0522

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 .0087 .0079 -.0047
 2.000 .0786 .0287 .0074
 3.000 .0197 .0228 .0151

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 .0053 -.0016 -.0026
 2.000 .0293 .0168 .0129
 3.000 .0111 .0121 .0059

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 -.0169 -.0163 -.0192
 2.000 -.0014 -.0049 -.0059
 3.000 -.0103 -.0101 -.0069

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 430

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE36)

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0123	-.0125	-.0127
2.000	.0023	-.0020	-.0010
3.000	-.0051	-.0068	.0080

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 431

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0464 .0281 .0164
2.000 .1860 .1108 .0494
3.000 .0684 .0665 .0533

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0178 .0098 .0005
2.000 .1271 .0626 .0245
3.000 .0416 .0401 .0286

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 432

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(REZE38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0151 .0082 -.0016
2.000 .1092 .0577 .0177
3.000 .0361 .0341 .0234

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0016 -.0010 -.0065
2.000 .0846 .0158 .0074
3.000 .0145 .0159 .0126

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 433

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(XEZE03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 .0236 .0088 .0042
 2.000 .0937 .0426 .0252
 3.000 .0361 .0281 .0262

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 .0108 .0006 -.0017
 2.000 .0535 .0238 .0133
 3.000 .0227 .0306 .0122

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 .0009 -.0061 -.0068
 2.000 .0214 .0194 .0014
 3.000 .0054 .0406 .0011

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 -.0126 -.0125 -.0128
 2.000 .0034 .0047 -.0004
 3.000 -.0014 .0044 -.0043

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 434

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(XEZE03)

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0175	-.0161	-.0171
2.000	-.0046	-.0010	-.0065
3.000	-.0071	.0112	-.0067

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0171	-.0170	-.0170
2.000	-.0045	-.0023	-.0063
3.000	-.0095	.0193	-.0070

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0136	-.0171	-.0163
2.000	.0017	-.0017	-.0014
3.000	-.0084	.0371	-.0018

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 435

ARC 3.5-198 OH3B 140C ORB WINDSHIELD

(XEZE04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 .0194 .0113 .0010
 2.000 .1247 .0614 .0228
 3.000 .0409 .0388 .0283

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 .0002 -.0017 -.0071
 2.000 .0521 .0159 .0046
 3.000 .0142 -.0013 .0124

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 -.0041 -.0087 -.0107
 2.000 .0154 .0123 .0047
 3.000 .0049 -.0050 -.0007

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
 1.000 -.0163 -.0161 -.0161
 2.000 .0029 .0027 -.0029
 3.000 -.0020 -.0030 -.0056

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 436

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(XEZE04)

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0166	-.0168	-.0158
2.000	-.0046	-.0045	-.0061
3.000	-.0013	-.0020	-.0086

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0174	-.0183	-.0175
2.000	-.0026	-.0081	-.0076
3.000	-.0090	-.0080	-.0074

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 437

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(XEZE05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0243 .0123 .0059
 2.000 .0968 .0539 .0237
 3.000 .0407 .0421 .0287

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0008 -.0071 -.0076
 2.000 .0224 .0125 .0080
 3.000 .0074 .0085 .0019

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0103 -.0104 -.0120
 2.000 .0048 .0058 -.0018
 3.000 -.0008 -.0002 -.0018

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0157 -.0162 -.0164
 2.000 -.0067 -.0071 -.0023
 3.000 -.0074 -.0076 -.0032

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 43B

ARC 3.5-198 OH3B 140C ORB WINDSHIELD

(XEZE05)

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0158	-.0156	-.0145
2.000	-.0009	-.0040	-.0025
3.000	-.0086	-.0089	-.0024

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0185	-.0174	-.0175
2.000	-.0037	-.0079	-.0079
3.000	-.0108	-.0119	-.0005

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 439

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(XEZE06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0140 .0057 .0004
2.000 .1065 .0554 .0164
3.000 .0346 .0332 .0224

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 .0022 -.0017 -.0044
2.000 .0579 .0245 .0202
3.000 .0165 .0183 .0105

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 -.0071 -.0099 -.0134
2.000 .0229 .0091 .0056
3.000 .0022 .0030 -.0033

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN
1.000 -.0116 -.0125 -.0116
2.000 .0027 .0066 -.0045
3.000 -.0024 -.0011 -.0048

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 440

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(XEZE11) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0534	.0323	.0178
2.000	.1646	.1047	.0510
3.000	.0708	.0565	.0496

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0236	.0122	.0059
2.000	.0992	.0524	.0239
3.000	.0406	.0420	.0280

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	.0098	.0033	-.0051
2.000	.0782	.0196	.0141
3.000	.0192	.0196	.0106

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0001	-.0082	-.0079
2.000	.0212	.0125	.0073
3.000	.0066	.0077	.0009

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 441

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(XEZE11)

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0113	-.0090	-.0115
2.000	.0064	.0084	-.0056
3.000	.0005	-.0010	-.0054

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0161	-.0168	-.0166
2.000	-.0069	-.0074	-.0033
3.000	-.0073	-.0075	-.0036

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0145	-.0148	-.0146
2.000	-.0001	-.0044	-.0022
3.000	-.0067	-.0083	-.0022

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0157	-.0180	-.0166
2.000	-.0030	-.0067	-.0076
3.000	-.0084	-.0104	-.0075

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 442

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(YEZE03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 EI EV-L = .117
 ELEV-R = .000 SI'DBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12670 CPSTAG = 1.8301

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 .0243 .0162 .0027
 2.000 .0971 .0561 .0225
 3.000 .0400 .0400 .0276

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12810 CPSTAG = 1.8294

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0006 -.0087 -.0081
 2.000 .0198 .0113 .0059
 3.000 .0059 .0071 -.0005

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0124 -.0138 -.0144
 2.000 .0034 .0037 -.0053
 3.000 -.0028 -.0021 -.0055

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0176 -.0178 -.0154
 2.000 -.0091 -.0038 -.0036
 3.000 -.0099 -.0096 -.0036

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-19B)

PAGE 443

ARC 3.5-19B OH3B 140C ORB WINDSHIELD

(YEZE03)

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1)WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000	-.0168	-.0175	-.0173
2.000	-.0016	-.0057	-.0084
3.000	-.0112	-.0105	-.0080

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 444

ARC 3.5-198 OH38 140C ORB WINDSHIELD

(YEZE04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BOFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0049 -.0104 -.0101
2.000 .0087 .0112 .0057
3.000 .0039 .0047 .0061

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) WINDSHIELD

DEPENDENT VARIABLE CP

RAY 1.0000 2.0000 3.0000

COLUMN

1.000 -.0154 -.0167 -.0158
2.000 -.0064 -.0033 -.0052
3.000 -.0076 -.0078 .0033

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 445

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF01) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8164
.030 .8337
.050 .2470
.080 .0695
.100 .1661

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7734
.030 1.2636
.050 .1987
.080 .0448
.100 .1244

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7188
.030 1.2539
.050 .1990
.080 .0563
.100 .1346

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 446

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12680 CPSTAG = 1.8305

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.9226
.030	1.6431
.050	.1712
.080	.0481
.100	.1164

DATE 14 NOV 75

TABULATED SOURCE DATA 0H38 (ARC 3.5-198)

PAGE 447

ARC 3.5-198 0H38 140C ORB FUSELAGE TANGENCY LINE

(REZF02) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.657 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23550 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8194
.030 .8300
.050 .2479
.080 .0696
.100 .0000

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7812
.030 1.1568
.050 .1889
.080 .0415
.100 .1165

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7198
.030 1.4910
.050 .1654
.080 .0471
.100 .1086

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 448

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8557
 .030 .8490
 .050 .2522
 .080 .0717
 .100 .1555

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8540
 .030 1.0293
 .050 .2382
 .080 .0665
 .100 .1516

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8381
 .030 1.1959
 .050 .2290
 .080 .0734
 .100 .1533

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 449

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF03)

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.7878
.030	1.3357
.050	.2162
.080	.0732
.100	.1492

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.7360
.030	1.4602
.050	.2028
.080	.0806
.100	.1453

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 450

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8398
.030 .8369
.050 .0260
.080 -.1529
.100 -.0210

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8113
.030 1.0190
.050 .2114
.080 .0501
.100 .1265

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26900 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7892
.030 1.1654
.050 .2011
.080 .0523
.100 .1265

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 451

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF04)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26810 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7012
.030 1.2808
.050 .1800
.080 .0367
.100 .1162

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6835
.030 1.4439
.050 .1632
.080 .0453
.100 .1046

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DATE 14 NOV 75

* TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 452

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8563
.030 1.2124
.050 .2351
.080 .0913
.100 .1636

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8521
.030 .8703
.050 .2589
.080 .0908
.100 .1683

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7527
.030 1.4666
.050 .2112
.080 .0992
.100 .1542

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 453

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0007 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8393
.030 .8571
.050 .2368
.080 .0802
.100 .1421

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7526
.030 1.1269
.050 .1917
.080 .0619
.100 .1179

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8561
.030 1.4217
.050 .1763
.080 .0772
.100 .1201

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 454

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF07) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
EDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8815
.030 .9054
.050 .2715
.080 .0907
.100 .1767

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8582
.030 1.2277
.050 .2453
.080 .0909
.100 .1695

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7691
.030 1.4911
.050 .2186
.080 .1025
.100 .1602

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 455

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF08) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8382
.030 .8614
.050 .0002
.080 -.1707
.100 -.0975

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8131
.030 1.1919
.050 .2106
.080 .0678
.100 .1366

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .6823
.030 1.4398
.050 .1786
.080 .0801
.100 .1219

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 456

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .0965
 .030 .9154
 .050 .2704
 .080 .0928
 .100 .1744

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8930
 .030 1.0828
 .050 .2571
 .080 .0925
 .100 .1709

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8066
 .030 1.1890
 .050 .2074
 .080 .0519
 .100 .1322

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 457

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF09)

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7720
.030 1.3305
.050 .1937
.080 .0571
.100 .1280

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7190
.030 1.4503
.050 .1801
.080 .0655
.100 .1217

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 458

ARC 3.5-198 OH3B 140C ORB FUSELAGE TANGENCY LINE

(REZF10) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8126
 .030 .8717
 .050 .2391
 .080 .0690
 .100 .1417

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8020
 .030 1.0439
 .050 .2241
 .080 .0651
 .100 .1373

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8060
 .030 1.1819
 .050 .2077
 .080 .0734
 .100 .1334

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 459

ARC 3.5-198 OH3B 140C ORB FUSELAGE TANGENCY LINE

(REZF10)

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7696
.030 1.3399
.050 .1951
.080 .0717
.100 .1321

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7084
.030 1.4681
.050 .1821
.080 .0753
.100 .1254

REPRODUCIBILITY OF THE
ORIGIN AL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 460

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF11) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8110
.030 .8609
.050 .8410
.080 .0639
.100 .1453

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7970
.030 1.1924
.050 .2157
.080 .0632
.100 .1401

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7177
.030 1.4472
.050 .1888
.080 .0791
.100 .1299

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 461

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF12) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8428
.030 .8680
.050 .2354
.080 .0693
.100 .1382

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8380
.030 1.0435
.050 .0000
.080 .0000
.100 .0000

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8257
.030 1.1893
.050 .2101
.080 .0602
.100 .1330

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 462

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.8137
.030	1.3769
.050	.2213
.080	.0938
.100	.1549

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.7641
.030	1.5042
.050	.2092
.080	.1044
.100	.1498

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 463

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF13) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .0261
.030 .0728
.050 .2266
.080 .0560
.100 .1286

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8077
.030 1.0206
.050 .2075
.080 .0565
.100 .1217

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7821
.030 1.1986
.050 .1918
.080 .0472
.100 .1178

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 464

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.7555
.030	1.3445
.050	.1803
.080	.0538
.100	.1152

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.7189
.030	1.4989
.050	.1820
.080	.0757
.100	.1239

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 465

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF14) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12850 CPSTAG = 1.8304

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8197
.030 .8471
.050 .2171
.080 .0514
.100 .1211

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8013
.030 1.1749
.050 .1913
.080 .0485
.100 .1157

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L -
.010 .7118
.030 1.4412
.050 .1644
.080 .0568
.100 .1052

DATE 1+ NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 466

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF15) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPDBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8242
.030 .8661
.050 .8244
.080 .0563
.100 .1270

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7917
.030 1.1717
.050 .1937
.080 .0557
.100 .1183

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7057
.030 1.4728
.050 .1825
.080 .0807
.100 .1252

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 467

ARC 3.5-198 OH3B 140C ORB FUSELAGE TANGENCY LINE

(REZF16) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = -1.000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8806
.030 .8668
.050 .2365
.080 .0502
.100 .1334

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8758
.030 1.0421
.050 .2199
.080 .0491
.100 .1285

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8526
.030 1.1881
.050 .2041
.080 .0438
.100 .1239

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 468

ARC 3.5-198 OH3B 140C ORB FUSELAGE TANGENCY LINE

(REZF16)

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8135
.030 1.3580
.050 .1909
.080 .0417
.100 .1216

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8133
.030 1.6094
.050 .1463
.080 .0715
.100 .1048

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 469

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF17) (26 JUL 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = -1.000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1 8292

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8649
.030 .8588
.050 .2320
.080 .0496
.100 .1304

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8392
.030 1.1931
.050 .2015
.080 .0395
.100 .0000

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1 8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1 0000

X/L

.010 .7467
.030 1.4621
.050 .1729
.080 .0502
.100 .1120

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ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 470

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8527
 .030 .6815
 .050 .2540
 .080 .0760
 .100 .1459

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8552
 .030 .8362
 .050 .2416
 .080 .0706
 .100 .1420

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8513
 .030 1.0001
 .050 .2268
 .080 .0468
 .100 .1366

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 471

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF18)

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8326
.030 1.1604
.050 .2136
.080 .0511
.100 .1330

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7973
.030 1.3083
.050 .1999
.080 .0545
.100 .1312

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7471
.030 1.4359
.050 .1910
.080 .0746
.100 .1294

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6917
.030 1.5421
.050 .0352
.080 .0183
.100 .0181

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 472

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = 41.533
BDFLAP = 15.667 RN/L = 700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5684 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7748
.030 .7685
.050 .2119
.080 .0494
.100 .1209

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3325 P = .31500-01 CPSTAG = 1.8423

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7623
.030 .9198
.050 .2001
.080 .0388
.100 .1188

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7472
.030 1.0775
.050 .1891
.080 .0439
.100 .1167

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 473

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7218
.030 1.2097
.050 .1772
.080 .0425
.100 .1144

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6579
.030 1.3263
.050 .1677
.080 .0569
.100 .1123

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6237
.030 1.3940
.050 .1570
.080 .0856
.100 .1080

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 474

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290 3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BOFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7612
 .030 .7541
 .050 .2036
 .080 .0353
 .100 .1149

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7749
 .030 .9319
 .050 .1927
 .080 .0286
 .100 .1107

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8083
 .030 1.1600
 .050 .2034
 .080 .0477
 .100 .1266

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 475

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7744
.030 1.2922
.050 .1905
.080 .0436
.100 .1236

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7229
.030 1.4465
.050 .1784
.080 .0577
.100 .1181

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6734
.030 1.5312
.050 .1656
.080 .0754
.100 1.141

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 476

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF30) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPD8RK = .000
BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8621
.030 .8720
.050 .2360
.080 .0578
.100 .1380

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .0000
.030 .0000
.050 .0000
.080 .0000
.100 .0000

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8100
.030 1.0233
.050 .2031
.080 .0431
.100 .1177

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 477

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7245
.030 1.4716
.050 .1793
.080 .0666
.100 .1199

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6674
.030 1.5470
.050 .1652
.080 .0902
.100 .1149

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .5702
.030 1.5874
.050 .1377
.080 .0710
.100 .0981

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-19B)

PAGE 478

ARC 3.5-19B OH3B 140C ORB FUSELAGE TANGENCY LINE

(REZF31) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8345
.030 .8603
.050 .8201
.080 .8477
.100 .8224

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8013
.030 1.1709
.050 .1878
.080 .0457
.100 .1127

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 479

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8168
.030 .6997
.050 .2300
.080 .0504
.100 .1250

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8505
.030 .8533
.050 .2242
.080 .0526
.100 .1258

ALPHA (3) = 24.445 MACH (1) = 7.320 RN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8071
.030 1.0205
.050 .2012
.080 .0360
.100 .1164

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 480

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF32)

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8139
.030 1.1736
.050 .1922
.080 .0531
.100 .1163

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7767
.030 1.3158
.050 .1784
.080 .0504
.100 .1119

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7100
.030 1.4422
.050 .1627
.080 .0490
.100 .1050

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6470
.030 1.5276
.050 .1510
.080 .0594
.100 .1007

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 481

ARC 3.5-198 OH38 1400 ORB FUSELAGE TANGENCY LINE

(REZF32)

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.5684
.030	1.5873
.050	.1353
.080	.0833
.100	.0952

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 482

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
ELEV-R = -39.717 SPOBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8460
.030 .8705
.050 .2222
.080 .0488
.100 .1228

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7927
.030 1.0359
.050 .1952
.080 .0374
.100 .1115

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7419
.030 1.3348
.050 .1727
.080 .0444
.100 .1077

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 483

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF33)

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.6914
.030	1.4431
.050	1.607
.080	.0556
.100	.1034

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 484

ARC 3.5-198 OH3B 140C ORB FUSELAGE TANGENCY LINE

(REZF34) (11 NOV 75)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8194
.030 .7091
.050 .2379
.080 .0516
.100 .1343

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8389
.030 .8525
.050 .2206
.080 .0504
.100 .1239

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8171
.030 1.0243
.050 .2067
.080 .0473
.100 .1217

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 485

~~ARC 3.5-198~~ OH3B 140C ORB FUSELAGE TANGENCY LINE

~~(REZF34)~~

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8186
.030 1.1903
.050 .1943
.080 .0444
.100 .1178

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7686
.030 1.3274
.050 .1824
.080 .0469
.100 .1164

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7148
.030 1.4381
.050 .1639
.080 .0565
.100 .1054

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6519
.030 1.5320
.050 .1555
.080 .0679
.100 .1058

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 486

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF34)

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.5724
.030	1.5827
.050	.1426
.080	.0825
100	.1041

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 487

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
ELEV-R = .000 SPDBRK = 41.533
BDFLAP = 15.867 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8451
.030 .8479
.050 .2223
.080 .0405
.100 .1240

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8472
.030 1.0292
.050 .2104
.080 .0463
.100 .1224

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8108
.030 1.1792
.050 .1902
.080 .0376
.100 .1133

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 488

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF35)

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7714
.030 1.3298
.050 .1756
.080 .0416
.100 .1092

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7174
.030 1.4506
.050 .1631
.080 .0509
.100 .1033

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6609
.030 1.5497
.050 .1548
.080 .0695
.100 .1030

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 489

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF36) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8133
.030 .6950
.050 .2298
.080 .0444
.100 .1263

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8053
.030 .9939
.050 .2004
.080 .0376
.100 .1154

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7964
.030 1.1914
.050 .1950
.080 .0415
.100 .1197

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 490

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF36)

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.6404
.030	1.4980
.050	.1490
.080	.0585
.100	.0998

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.5792
.030	1.5921
.050	.1429
.080	.0808
.100	.1028

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 491

-ARC 3.5 198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF37) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPOBRK = .000
BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8064
.030 .6976
.050 .2288
.080 .0416
.100 .1246

ALPHA (2) = 19.829 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8114
.030 .8393
.050 .2138
.080 .0417
.100 .1181

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 492

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(REZF38) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = -7.367
ELEV-R = -7.033 SPDBRK = .000
BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8049
.030 .8617
.050 .2125
.080 .0355
.100 .1166

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7952
.030 1.0185
.050 .1953
.080 .0387
.100 .1115

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-19B)

PAGE 493

ARC 3.5-19B OH3B 140C ORB FUSELAGE TANGENCY LINE

(XEZF03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8055
.030 .8364
.050 .2149
.080 .0512
.100 .1204

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8094
.030 1.0070
.050 .2034
.080 .0521
.100 .1181

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7919
.030 1.1549
.050 .1902
.080 .0511
.100 .1154

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 494

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(XEZF03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7462
.030 1.3023
.050 .1753
.080 .0465
.100 .1109

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6927
.030 1.4323
.050 .1624
.080 .0576
.100 .1053

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6455
.030 1.5164
.050 .1506
.080 .0731
.100 .1044

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .5712
.030 1.5565
.050 .1383
.080 .0807
.100 .0999

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 495

ARC 3.5-198 OH38 1400 ORB FUSELAGE TANGENCY LINE

(XEF04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8373
 .030 .8568
 .050 .2233
 .080 .0448
 .100 .1241

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8133
 .030 1.0317
 .050 .2009
 .080 .0485
 .100 .1157

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .8003
 .030 1.1754
 .050 .1903
 .080 .0514
 .100 .1178

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 496

ARC 3.5-198 OH38 1400 ORB FUSELAGE TANGENCY LINE

(XEZF04)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY - DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7417
.030 1.3394
.050 .1734
.080 .0448
.100 .1092

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6628
.030 1.4448
.050 .1581
.080 .0558
.100 .1018

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CPSTAG = 1.8309

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6212
.030 1.5227
.050 .1465
.080 .0787
.100 .0985

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 497

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(XEXF05) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8344
.030 .8485
.050 .2210
.080 .0510
.100 .1243

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8163
.030 1.1868
.050 .1939
.080 .0451
.100 .1174

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7357
.030 1.3055
.050 .1770
.080 .0349
.100 .1116

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 498

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(XEZF05)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7257
.030 1.4639
.050 .1673
.080 .0544
.100 .1077

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6253
.030 1.5161
.050 .1496
.080 .0653
.100 .1004

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .5718
.030 1.5681
.050 .1355
.080 .0802
.100 .0955

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 499

ARC 3.5-198 OH3B 140C ORB FUSELAGE TANGENCY LINE

(XEF06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
ELEV-R = 4.100 SPDRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8052
.030 .8522
.050 .2096
.080 .0342
.100 .1145

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7927
.030 1.0361
.050 .1957
.080 .0393
.100 .1119

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .7633
.030 1.1544
.050 .1812
.080 .0364
.100 .1070

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 500

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(XEZF06)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.7394
.030	1.3347
.050	.1726
.080	.0449
.100	.1073

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 501

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(XEZF11) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = 10.000
ELEV-R = 9.100 SPDBRK = .000
BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8201
.030 .7021
.050 .2298
.080 .0482
.100 .1256

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8451
.030 .8577
.050 .2238
.080 .0479
.100 .1258

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L
.010 .8348
.030 1.0380
.050 .2063
.080 .0430
.100 .1184

REPRODUCTION OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 502

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(XEZF11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.8199
.030	1.1937
.050	.1950
.080	.0455
.100	.1183

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.7564
.030	1.3303
.050	.1786
.080	.0367
.100	.1128

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.7234
.030	1.4590
.050	.1674
.080	.0607
.100	.1080

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.6315
.030	1.5282
.050	.1514
.080	.0640
.100	.1015

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 503

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(XEZF11)

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.5714
.030	1.5783
.050	.1380
.080	.0707
.100	.0984

REPRODUCIBILITY OF THE
ORIGINAL DATA IS FIVE

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 504

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(YEZF03) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 SDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
 .010 .8100
 .030 .8443
 .050 .2138
 .080 .0395
 .100 .1182

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
 .010 .8159
 .030 1.1807
 .050 .1932
 .080 .0401
 .100 .1168

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

SECTION (1) FUSELAGE TANGENCY DEPENDENT VARIABLE CP

LINE 1.0000

X/L
 .010 .7577
 .030 1.3108
 .050 .1740
 .080 .0373
 .100 .1092

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 505

ARC 3.5-198 OH38 1400 ORB FUSELAGE TANGENCY LINE

(YEZF03)

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.7166
.030	1.4434
.050	.1636
.080	.0506
.100	.1049

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010	.6490
.030	1.5196
.050	.1495
.080	.0583
.100	.0992

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 506

ARC 3.5-198 OH38 140C ORB FUSELAGE TANGENCY LINE

(YEZF04) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPOBRK = .000
BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.9990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .7893
.030 1.1889
.050 .1888
.080 .0366
.100 .1142

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) FUSELAGE TANGENCY

DEPENDENT VARIABLE CP

LINE 1.0000

X/L

.010 .6913
.030 1.4497
.050 .1629
.080 .0594
.100 .1047

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 507

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG01) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8337						
16.000		.8094						
19.500	.8164							
20.000					.3780		.2767	
22.000		.6040						
26.000		.4834						
26.500					.3967			
32.000					.3516			
33.500		.3775						
35.500							.2481	
37.000					.2381			
39.500							.2266	
42.500			.2470		.2665			
43.500							.1685	
47.500							.1211	
51.000							.1926	
53.000				.0695				
55.500								.0985
57.000								.1908
59.000					.1661			
90.000					.0740	.1385	.0964	
95.500								.0700

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.2636						
16.000		1.1338						
19.500	.7734							
23.000					.7294		.8464	
22.000		.8540						
26.000		.6133						
26.500					.8750			
32.000					.7242			

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 508

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG01)

ALPHA (2) = 29.899 MACH (1) = 7.320

[illegible]

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 509

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG01)

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.6431						
16.000		1.4817						
19.500	.9226							
20.000				1.1941			1.1190	
22.000		.8980						
26.000		.5880						
26.500				1.0876				
32.000				.9653				
33.500		.2566						
35.500							.9516	
37.000				.4127				
39.500							.8741	
42.500			.1712		.1888			
43.500							.3646	
47.500							.1871	
51.000							.0905	
53.000				.0481				
55.500								.0288
57.000								.0327
59.000					.1164			
90.000					.0196	.0404	.0734	
95.500								.0435

REPRODUCIBILITY OF THE
ORIGINAL DATA IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 510

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG02) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 8.8696 P = .23650 CPSTAG = 1.8301

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8300					
16.000		.8017					
19.500	.8194						
20.000				.3938		.2716	
22.000		.6573					
26.000		.5161					
26.500				.3846			
32.000				.3555			
33.500		.0000					
35.500						.2480	
37.000				.2403			
39.500						.2295	
42.500		.0000		.0000			
43.500						.1590	
47.500						.1004	
51.000						.0809	
53.000			.0696				
55.500						.0234	
57.000						.0243	
59.000				.0000			
90.000				.0469	.0662	.0523	
95.500							.0177

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.1568					
16.000		1.0842					
19.500	.7812						
20.000				.6946		.5680	
22.000		.7516					
26.000		.5336					
26.500				.6456			
32.000				.5565			

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 512

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE

(REZG03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8490					
16.000		.8359					
19.500	.8557						
20.000				.4203		.2981	
22.000		.5211					
26.000		.4222					
26.500				.4099			
32.000				.4011			
33.500		.3760					
35.500						.2809	
37.000				.1805			
39.500						.2585	
42.500			.2522		.2036		
43.500						.1302	
47.500						.0973	
51.000						.1082	
53.000			.0717				
55.500						.0636	
57.000						.0577	
59.000				.1555			
90.000				.0786	.0821	.3369	
95.500						.0483	

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.0293					
16.000		.9853					
19.500	.8540						
20.000				.5660		.4296	
22.000		.5611					
26.000		.4302					
26.500				.5357			
32.000				.4992			

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 513

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG03)

ALPHA (2) = 24.999 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	
PHI									
33.500		.3527							
35.500							.3847		
37.000					.1953				
39.500							.3433		
42.500			.2382		.2030				
43.500							.1493		
47.500							.1025		
51.000							.1030		
53.000				.0665					
55.500								.0566	
57.000								.0540	
59.000					.1516				
90.000					.0598	.0728	.2463		
95.500								.0514	

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	
PHI									
10.000		1.1959							
16.000		1.1187							
19.500	.8381								
20.000					.7142		.5716		
22.000		.6113							
26.000		.4372							
26.500					.6685				
32.000					.6028				
33.500		.3355							
35.500							.4968		
37.000					.2086				
39.500							.4300		
42.500			.2290		.2093				
43.500							.1719		
47.500							.1104		
51.000							.1091		
53.000				.0734					
55.500								.0606	
57.000								.0587	
59.000					.1533				
90.000					.0531	.0735	.2791		
95.500								.0611	

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PAGE 514

(REZG03)

DEPENDENT VARIABLE CP

PHI

10,000

16,000

19.500

20.000

22 000

26 000

26.500

32.000

33.500

35.500

37.000
37.50039.500
42.500

42 500
43 500

43.500
47.500

47.500
51.000

53.000

55 500

57.000

59.000

90.000

95.500

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19.500

20.000

22.000

26.000

26.500

32.000
77.50033.500
35.50035.500
37.000

37 000
39 500

500	500
500	500

43 500

47.500

47,500

5

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 516

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG04) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290 3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8369					
16.000		.8201					
19.500	.8398						
20.000				.4058		.2850	
22.000		.6422					
26.000		.5100					
26.500				.3957			
32.000				.3892			
33.500		.0739					
35.500						.2663	
37.000				.2346			
39.500						.2421	
42.500			-.0260	-.0422			
43.500						.1518	
47.500						.0849	
51.000						-.1367	
53.000			-.1529				
55.500							-.1009
57.000							-.1963
59.000				-.0210			
90.000				-.1300	-.1045	-.0061	
95.500							-.1058

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.0190					
16.000		.9743					
19.500	.8113						
20.000				.5653		.4296	
22.000		.7189					
26.000		.5293					
26.500				.5427			
32.000				.4323			

PAGE 517

(REZG04)

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26800 CPSTAG = 1.0299

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 518

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZ604)

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26910 CPSTAG = 1.8301

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.2808

16.000

1.1722

19.500 .7012

20.000

.8173

.6816

22.000

.8185

26.000

.5579

26.500

.7414

32.000

.6212

33.500

.2742

35.500

.5533

37.000

.3591

39.500

.4576

42.500

.1800

.1767

43.500

.3024

47.500

.1393

51.000

.0791

53.000

.0367

55.500

.0184

57.000

.0273

59.000

.1162

90.000

.0101

.0374

.0681

95.500

.0361

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.4439

16.000

1.3000

19.500 .6835

20.000

1.0114

.8959

22.000

.8738

26.000

.5654

26.500

.9100

32.000

.7451

33.500

.2454

35.500

.7105

37.000

.4031

39.500

.5949

42.500

.1632

.1778

43.500

.3525

47.500

.1635

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 519

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG04)

ALPHA (5) = 39.693 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.0800	
53.000				.0453				
55.500								.0181
57.000								.0260
59.000					.1046			
90.000					.0035	.0344	.0695	
95.500								.0394

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 520

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 1.2124
 16.000 1.1490
 19.500 .8563
 20.000 .7400 .6009
 22.000 .7698
 26.000 .5435
 26.500 .7002
 32.000 .6291
 33.500 .3415
 35.500 .5236
 37.000 .2846
 39.500 .4586
 42.500 .2351 .2198
 43.500 .1884
 47.500 .1220
 51.000 .1196
 53.000 .0913
 55.500 .0632
 57.000 .0687
 59.000 .1636
 90.000 .0641 .0827 .1008
 95.500 .0709

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .8703
 16.000 .8449
 19.500 .8521
 20.500 .4365 .3167
 22.000 .5745
 26.000 .4660
 26.500 .4338
 32.000 .4110

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 521

(REZG05)

SECTION () FUSELAGE NOSE DEPENDENT VARIABLE CP

PHI					
33.500	.3814				
35.500				.2999	
37.000			.1717		
39.500				.2737	
42.500	.2589		.2149		
43.500				.1326	
47.500				.1032	
51.000				.1210	
53.000		.0908			
55.500					.0692
57.000					.0705
59.000			.1683		
90.000			.0927	.0954	.0956
95.500					.0632

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

PHI				
10.000		1.4666		
16.000		1.3292		
19.500	.7527			
20.000			1.0290	.9007
22.000		.8252		
26.000		.5469		
26.500			.9257	
32.000			.7953	
33.500		.2960		
35.500				.7396
37.000			.3408	
39.500				.6210
42.500		.2112	.2250	
43.500				.2487
47.500				.1379
51.000				.1271
53.000			.0992	
55.500				.0643
57.000				.0712
59.000			.1542	
90.000			.0522	.0790
95.500				.1107
				.0819

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 522

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG06) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .8571
 16.000 .8383
 19.500 .8393
 20.000 .4172 .2956
 22.000 .6542
 26.000 .5190
 26.500 .4018
 32.000 .3868
 33.500 .3124
 35.500 .2813
 37.000 .2393
 39.500 .2511
 42.500 .2368 .1894
 43.500 .1533
 47.500 .0712
 51.000 .0920
 53.000 .0802
 55.500 .0396
 57.000 .0430
 59.000 .1421
 90.000 .0624 .0693 .0681
 95.500 .0357

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 1.1269
 16.000 1.0464
 19.500 .7526
 20.000 .6497 .5178
 22.000 .7616
 26.000 .5286
 26.500 .5977
 32.000 .5200

PAGE 523

(REZG06)

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 524

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG07) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BOFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI									
10.000			.9054						
16.000			.8753						
19.500	.8815								
20.000						.4580		.3320	
22.000			.6859						
26.000			.5567						
26.500						.4462			
32.000						.4174			
33.500			.3889						
35.500								.3120	
37.000						.2707			
39.500								.2870	
42.500			.2715			.2233			
43.500								.1796	
47.500								.1142	
51.000								.1282	
53.000				.0907					
55.500								.0752	
57.000								.0768	
59.000						.1767			
90.000						.0984	.1015	.1018	
95.500									.0691

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI									
10.000			1.2277						
16.000			1.1515						
19.500	.8582								
20.000						.7485		.6023	
22.000			.8206						
26.000			.5984						
26.500						.6958			
32.000						.6099			

ARC 3.5-198 0H38 140C DRB FUSELAGE NOSE

(REZG07)

ALPHA (2) = 29.758 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE ~~INDEPENDENT~~ DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

33.500 .3478

35.500	15.115	.5254
--------	--------	-------

37.000 , 3539 ,

39.500			.4568
1.2722	21.57	2251.	

42.500	.2453	.2254	
43.700			3857

43.500	.2857
47.500	.1449

47,500	.1443
51,000	.1269

53 000	.0909	17255
--------	-------	-------

55,500		.0693
--------	--	-------

57.000		.0744
58.000	1005	

59 000	.1695		
90 000	0688	0895	1077

90.000		.0899	.0899	.1077
95.500				

55.500 .0175

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10.000	1.4911
--------	--------

16.000	1.3607
--------	--------

19.500	.7691		
22.000		1.0000	1.0000

20.000		1.0493	.9242
22.000	2055		

22.000	.8955
26.000	.6035

26.000	.6039	
26.500		.9430

20.000	.9430
32.000	.7902

33.500 .3000

35.500	.7582
--------	-------

37.000	.4220	
39.500		0.3300

39.500				.6380
42.500	2186		2306	

42	500	.2188	.2308	
43	500			.3784

47.500	.1571
--------	-------

51.000	.1337
--------	-------

53 000	.1025
55 500	

55.500	.0700
57.000	.0757

57.000			.0767
59.000	1602		

59,000	.1602		
50,000	.0575	.0850	.1173

	.8975	.8856	.1175	
95.500				.0882

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 526

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG08) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8614					
16.000		.8353					
19.500	.8382						
20.000				.4085		.2835	
22.000		.6353					
26.000		.4962					
26.500				.3952			
32.000				.3721			
33.500		.0742					
35.500						.2647	
37.000				.2222			
39.500						.2400	
42.500		.0002		-.0484			
43.500						.0685	
47.500						.0423	
51.000						-.1473	
53.000			-.1707				
55.500							-.2000
57.000							-.1968
59.000				-.0975			
90.000				-.1773	-.1705	-.1714	
95.500							-.2043

ALPHA (2) = 29.917 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.1919					
16.000		1.1113					
19.500	.8131						
20.000				.7225		.5821	
22.000		.7746					
26.000		.5316					
26.500				.6611			
32.000				.5754			

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 527

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE

(REZG08)

ALPHA (2) = 29.917 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP						
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.0000						
35.500							.4952	
37.000					.3132			
39.500							.4265	
42.500			.2106		.1925			
43.500							.2449	
47.500							.0760	
51.000							.0946	
53.000				.0678				
55.500								.0356
57.000								.0450
59.000					.1366			
90.000					.0348	.0587	.0765	
95.500								.0479

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP						
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.4398						
16.000		1.3222						
19.500	.6823							
20.000					1.0160		.8933	
22.000		.8553						
26.000		.5510						
26.500					.9038			
32.000					.7516			
33.500		.2624						
35.500							.7142	
37.000					.3940			
39.500							.5848	
42.500			.1786		.1961			
43.500							.3503	
47.500							.1249	
51.000							.0980	
53.000				.0801				
55.500								.0326
57.000								.0424
59.000					.1219			
90.000					.0202	.0512	.0839	
95.500								.0559

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 528

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG09) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.9154						
16.000		.8845						
19.500	.8965							
20.000					.4599		.3331	
22.000		.7044						
26.000		.5667						
26.500					.4465			
32.000					.4210			
33.500		.3950						
35.500							.3119	
37.000					.2799			
39.500							.2877	
42.500			.2704		.2222			
43.500							.1896	
47.500							.1198	
51.000							.1257	
53.000				.0928				
55.500								.0719
57.000								.0739
59.000					.1744			
90.000					.0959	.0993	.0998	
95.500								.0664

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.0828						
16.000		1.0319						
19.500	.8930							
20.000					.5968		.4554	
22.000		.7942						
26.000		.6032						
26.500					.5677			
32.000					.5160			

PAGE 529

(REZG09)

[illegible]

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZG09)

ALPHA (5) = 40.056 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

51.000

53.000

55.500

57.000

59.000

90.000

95.500

.0655

.0956

.0319

.0389

.1217

.0192

.0469

.0790

.0502

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 532

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG10) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .8717
 16.000 8463
 19.500 .8126
 20.000 .4226 .3018
 22.000 .6719
 26.000 .5266
 26.500 .4100
 32.000 .3842
 33.500 .0000
 35.500 .2779
 37.000 .2401
 39.500 .2522
 42.500 .2391 .1888
 43.500 .1147
 47.500 .0665
 51.000 .0915
 53.000 .0690
 55.500 .0388
 57.000 .0431
 59.000 .1417
 90.000 .0603 .0686 .0675
 95.500 .0351

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 1.0439
 16.000 .9873
 19.500 .8020
 20.000 .5730 .4325
 22.000 .7260
 26.000 .5464
 26.500 .5432
 32.000 .4867

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 533

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG10)

ALPHA (2) = 24.900 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
33.500		.0000						
35.500							.3833	
37.000					.2821			
39.500							.3368	
42.500			.2241		.1887			
43.500							.2087	
47.500							.0832	
51.000							.0891	
53.000				.0851				
55.500								.0334
57.000								.0407
59.000					.1373			
90.000					.0427	.0597	.0700	
95.500								.0394

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1819						
16.000		1.1019						
19.500	.8060							
20.000					.7064		.5728	
22.000		.7737						
26.000		.5636						
28.500					.8533			
32.000					.5680			
33.500		.0000						
35.500							.4884	
37.000					.3267			
39.500							.4178	
42.500			.2077		.0362			
43.500							.2700	
47.500							.1221	
51.000							.0908	
53.000				.0734				
55.500								.0334
57.000								.0424
59.000					.1334			
90.000					.0333	.0568	.0762	
95.500								.0457

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

PAGE 534

(REZG10)

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19.500

20.000

22,000

26.000

26.500

32.000

33.500

35.500

37.000

39.500

42.500

43 500

47.500

51.000

53.000

55 500

57.000

59.000

90.000

95.500

DEPENDENT VARIABLE CP

PHI

10.000

16,000

19.500

20.000

22.000

26.000

26,500

32 000

33,500

35.500

37,800

39.500

42.500

43.500

47.500

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZG10)

ALPHA (5) = 39.974 MACH (1) = 7.320

SECTION () FUSELAGE NOSE	DEPENDENT VARIABLE CP
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

51.000

53.000

55.500

57.000
50.000

59 000
99 000

90.000
95.500

95.500

.0753'

.1008

.0363

.0460

.1254

.0242

.0553

.0873

.0595

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 536

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG11) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .8609
 16.000 .8355
 19.500 .8110
 20.000 .4226 .2960
 22.000 .2815
 26.000 .2271
 26.500 .4069
 32.000 .3794
 33.500 .3549
 35.500 .2738
 37.000 .1087 .2501
 39.500 .2501
 42.500 .2410 .1909
 43.500 .0837
 47.500 .0638
 51.000 .0978
 53.000 .0639
 55.500 .0460
 57.000 .0476
 59.000 .1453
 90.000 .0693 .0726 .0722
 95.500 .0398

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 1.1924
 16.000 1.1123
 19.500 .7970
 20.000 .7138 .5646
 22.000 .4209
 26.000 .3062
 26.500 .6576
 32.000 .5730

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZG11)

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE

ALPHA (2) = 29.598 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PH1

33.500

.3160

35.500

37.000

39.500

42.500
43.50043.500
47.500

47.500
51.000

51.000
53.000

55.500

57.000

59.000

90,000

95.500

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.6453 P = .12920 CPSTAG = 1.8300

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10.000

1.4472

16 000

19 500

20 000

22.000
25.00026.000
26.500

26.500
32.000

33.500

35 500

37.000

39 500

42 500

43 500

47 500

51.000
53.00053.000
55.50055.500
57.00057.000
59.000

90.000

95.500

000000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 538

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BOFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 1.000 .1600 .2000 .2500

PHI

10.000		.8680					
16.000		.8475					
19.500	.8428						
20.000				.4201		.2932	
22.000		.2862					
26.000		.2205					
26.500				.4059			
32.000				.3795			
33.500		.3549					
35.500						.2730	
37.000				.1099			
39.500						.2481	
42.500		.2354		.1861			
43.500						.0805	
47.500						.0600	
51.000						.0902	
53.000			.0693				
55.500						.0372	
57.000						.0396	
59.000				.1382			
90.000				.0620	.0639	.0645	
95.500							.0315

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 1.000 .1600 .2000 .2500

PHI

10.000		1.0435					
16.000		.9939					
19.500	.8380						
20.000				.5630		.4191	
22.000		.3427					
26.000		.2512					
26.500				.5297			
32.000				.4767			

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZG12)

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

PHI

33.500

35.500

37.000

39.500

42.500

43.500

47.500
51.00051.000
53.00053.000
53.000

55 500
57 000

59 000

90,000

95.500

$$Q = 4.8580$$

4

• .12950

CPSTAG = 1.8297

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19.500

20.000

22.000
20.000

26 000
26 500

28 500
32 000

32	000
33	500

35,500

37.000

39.500

42.500

43 500

47 500
51 200

51 000
E3 000

53	000
55	500

55.500
57.000

59.000

90 000

95.500

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 540

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG12)

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.3769					
16.000		1.2741					
19.500	.8137						
20.000				.9046		.7662	
22.000		.7856					
26.000		.5478					
26.500				.8212			
32.000				.7026			
33.500		.3142					
35.500						.6408	
37.000				.2072			
39.500						.5480	
42.500		.2213		.2188			
43.500						.1846	
47.500						.1304	
51.000						.1206	
53.000			.0938				
55.500						.0591	
57.000						.0656	
59.000				.1549			
90.000				.0524	.0754	.1020	
95.500							.0724

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = .13010 CPSTAG = 1.8292

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.5042					
16.000		1.3761					
19.500	.7641						
20.000				1.0526		.9245	
22.000		.8738					
26.000		.5874					
26.500				.9424			
32.000				.7878			
33.500		.2926					
35.500						.7539	
37.000				.2416			
39.500						.6353	
42.500		.2092		.2220			
43.500						.2188	
47.500						.1505	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 541

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZ012)

ALPHA (5) = 40.004 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP						
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
51.000							.1231	
53.000				.1044				
55.500								.0592
57.000								.0664
59.000					.1498			
90.000					.0474	.0747	.1066	
95.500								.0778

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 542

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG13) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPOBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8728						
16.000		.8588						
19.500	.8261							
20.000					.4245		.2901	
22.000		.6669						
26.000		.5161						
26.500					.4069			
32.000					.3784			
33.500		.2340						
35.500							.2684	
37.000					.2329			
39.500							.2442	
42.500			.2266		.1767			
43.500							.1487	
47.500							.0516	
51.000							.0791	
53.000				.0560				
55.500								.0246
57.000								.0290
59.000					.1286			
90.000					.0477	.0539	.0531	
95.500								.0211

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.2010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.10206						
16.000		.9819						
19.500	.8077							
20.000					.5658		.4175	
22.000		.7419						
26.000		.5395						
26.500					.5214			
32.000					.4677			

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

5

(REZG13)

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

PH1				
33.500	.2359			
35.500				
37.000		.2733		.3681
39.500				.3252
42.500	.2075	.1732		
43.500				.1977
47.500				.0604
51.000				.0745
53.000		.0565		
55.500				.0181
57.000				.0262
59.000		.1217		
90.000		.0279	.0449	.0545
95.500				.0243

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

PH1				
10.000		1.1986		
16 000		1.1219		
19 500	.7821			
20 000			.7291	.5820
22.000		.7711		
26 000		.5366		
26.500			.6644	
32.000			.5723	
33 500		.2363		
35.500				.4942
37.000			.3030	
39 500				.4242
42.500		.1918	.1744	
43 500				.2468
47 500				.0690
51.000				.0760
53 000			.0472	
55.500				.0176
57.000				.0256
59.000			.1178	
90.000			.0172	.0400
95 500				.0591
				.0294

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 544

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG13)

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.3445

16.000

1.2360

19.500

.7555

20.000

.8688

.7301

22.000

.8468

26.000

.5775

26.500

.7854

32.000

.6626

33.500

.2384

35.500

.5994

37.000

.3546

39.500

.5077

42.500

.1803

.1785

43.500

.2973

47.500

.0972

51.000

.0803

53.000

.0538

55.500

.0173

57.000

.0271

59.000

.1152

90.000

.0099

.0375

.0653

95.500

.0357

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.4989

16.000

1.3622

19.500

.7169

20.000

1.0505

.9211

22.000

.8981

26.000

.5940

26.500

.9404

32.000

.7781

33.500

.2509

35.500

.7430

37.000

.4117

39.500

.6204

42.500

.1820

.1985

43.500

.3658

47.500

.1100

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 545

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG13)

ALPHA (5) = 39.964 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

51.000

53.000

55.500

57.000

59.000

90.000

95.500

.0998

.0757

.0340

.0438

.1239

.0211

.0529

.0853

.0569

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 546

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG14) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000	.8471						
16.000	8292						
19.500	.8197						
20.000				.4055		.2813	
22.000	.2148						
26.000	.1580						
26.500				.3919			
32.000				.3629			
33.500	.3331						
35.500						.2583	
37.000				.0699			
39.500						.2348	
42.500		.2171		.1669			
43.500						.0522	
47.500						.0374	
51.000						.0738	
53.000			.0514				
55.500						.0213	
57.000						.0232	
59.000				.1211			
90.000				.0457	.0474	.0479	
95.500							.0153

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8988 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000	1.1749						
16.000	1.1073						
19.500	.8013						
20.000				.6992		.5521	
22.000	.2970						
26.000	.1928						
26.500				.6443			
32.000				.5539			

PAGE 547

(REZG14)

DEPENDENT VARIABLE CP

PHI

33.500

35.500

37.000

39 500

42.500

43.500

47,500

51.000

53 000

55.500

57,000

59 000

90.000

95 500

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19.500

20.000

22,000

26 000

26 500

32 000

33 500

33 500
35 500

37.000

39 500

42.500

43.500

47.500

51.000

53 000

55 000
55 500

55.500
57.00057.000
59.000

59.000
90.000

95,500

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-199)

PAGE 548

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZ015) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .8661
 16.000 .8484
 19.500 .8242
 20.000 .4193 .2878
 22.000 .6609
 26.000 .5114
 28.500 .4060
 32.000 .3775
 33.500 .2343
 35.500 .2674
 37.000 .2269
 39.500 .2434
 42.500 .2244 .1735
 43.500 .1390
 47.500 .0488
 51.000 .0781
 53.000 .0563
 55.500 .0248
 57.000 .0289
 59.000 .1270
 90.000 .0482 .0547 .0540
 95.500 .0211

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 1.1717
 16.000 1.0996
 19.500 .7917
 20.000 .6955 .5505
 22.000 .7645
 26.000 .5400
 28.500 .6411
 32.000 .5531

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZG15)

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

PHI				
33.500	.2361			
35.500				
37.000		.2959		.4713
39.500				.4042
42.500	.1937	.1737		
43.500				.2308
47.500				.0628
51.000				.0752
53.000		.0557		
55.500				.0166
57.000				.0264
59.000		.1183		
90.000		.0172	.0412	.0593
95.500				.0291

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

PHI				
10 000		1.4728		
16.000		1.3410		
19.500	.7067			
20.000			1.0510	.9130
22 000		.8702		
26.000		.5768		
26.500			.9406	
32.000			.7727	
33 500		.2553		
35.500				.7372
37 000			.4100	
39.500				.6211
42 500		.1325	.1991	.3634
43 500				.1138
47.500				.1018
51.000				
53.000			.0807	
55.500				.0363
57 000				.0466
59.000			.1262	
90.000			.0245	.0561
95 500				.0874
				.0593

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 550

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4.8360 P = .12890 CPSTAG = 1.8297

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
10.000		.8668						
16.000		.8541						
19.500	.8806							
20.000					.4164		.2867	
22.000		.7589						
26.000		.6083						
26.500					.4056			
32.000					.3820			
33.500		.3583						
35.500							.2712	
37.000					.2959			
39.500							.2505	
42.500			.2365		.1849			
43.500							.2008	
47.500							.1307	
51.000							.0857	
53.000				.0502				
55.500							.0270	
57.000							.0000	
59.000					.1334			
90.000					.0504	.0547	.0547	
95.500								.0000

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
10.000		1.0421						
16.000		.9994						
19.500	.8758							
20.000					.5583		.4137	
22.000		.8473						
26.000		.6452						
26.500					.5299			
32.000					.4773			

PAGE 553

(REZG16)

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 554

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE

(REZG17) (26 JUL 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8598						
16.000		.8418						
19.500	.8649							
20.000					.4091		.2832	
22.000		.7510						
26.000		.6034						
26.500					.3975			
32.000					.3734			
33.500		.3519						
35.500							.2651	
37.000					.2899			
39.500							.2442	
42.500			.2320		.1798			
43.500							.1969	
47.500							.1306	
51.000							.0830	
53.000				.0496				
55.500								.0260
57.000								.0276
59.000					.1304			
90.000					.0499	.0533	.0533	
95.500								.0183

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		1.1931						
16.000		1.1257						
19.500	.8392							
20.000					.7052		.5596	
22.000		.9145						
26.000		.6638						
26.500					.6553			
32.000					.5702			

ARC 3.5-198 0438 140C ORB FUSELAGE NOSE

(REZG17)

ALPHA (2) = 29.665 MACH (1) = 7.320

[illegible]

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 556

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG18) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290 3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .6815
 16.000 .6920
 19.500 .8527
 20.000 .2866 .1735
 22.000 .6498
 26.000 .5569
 26.500 .2887
 32.000 .2828
 33.500 .3679
 35.500 .1780
 37.000 .2500
 39.500 .1694
 42.500 .2540 .1845
 43.500 .1570
 47.500 .1195
 51.000 .0959
 53.000 .0760
 55.500 .0444
 57.000 .0414
 59.000 .1459
 90.000 .0892 .0780 .0693
 95.500 .0339

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .8362
 16.000 .8219
 19.500 .8552
 20.000 .3915 .2684
 22.000 .7343
 26.000 .5971
 26.500 .3868
 32.000 .3667

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 557

(REZG18)

ALPHA (2) = 19.668 MACH (1) = 10.290

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PH1				
33.500	.3546			
35.500				
37.000				.2543
39.500		.2904		
42.500				.2395
43.500	.2416	.1880		
47.500				.2012
51.000				.1380
53.000				.0960
55.500		.0706		
57.000				.0438
59.000				.0428
90.000		.1420		
95.500		.0665	.0669	.0661
				.0234

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI				
10.000	1.0001			
16.000	.9743			
19.500	.8513			
20.000		.5349		.3906
22.000	.8267			
26.000	.6306			
26.500		.5119		
32.000		.4599		
33.500	.3273			
35.500				.3576
37.000		.3382		
39.500				.3216
42.500	.2268	.1910		
43.500				.2523
47.500				.1537
51.000				.0951
53.000		.0468		
55.500				.0413
57.000				.0420
59.000		.1366		
90.000		.0475	.0551	.0654
95.500				.0350

PAGE 558

(REZG18)

DEPENDENT VARIABLE CP

PHI

10,000

16.000

19.500

20.000

22 000

26.000

26,500

32.000

33.500

35 500

37 000

39,500

42 500

43.500

47.500

51.000

53.000

55.500

57 000

59 000

90 000
87 500

95.500

DEPENDENT VARIABLE CP

PHI

10.000

16,000

19 500

20.000

22.000

26.000

26 500

32.000

33 500

35.500

37.000

39 500

42.500

43,500

47.500

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG18)

ALPHA (5) = 34.915 MACH (1) = 10.290

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PH1				
51.000				.1018
53.000	.0545			
55.500				.0416
57.000				.0454
59.000	.1312			
90.000	.0316	.0505	.0743	
95.500				.0448

ALPHA (6) = 40.049 HACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI				
10.000		1.4359		
16.000		1.3209		
19.500	.7471			
20.000			.9880	.8675
22.000		1.0137		
26.000		.6903		
26.500			.8981	
32.000			.7417	
33.500		.2655		
35.500				.7090
37.000			.4818	
39.500				.6002
42.500		.1910	.2064	
43.500				.4234
47.500				.2273
51.000				.1072
53.000			.0746	
55.500				.0432
57.000				.0474
59.000			.1284	
90.000			.0259	.0491
95.500				.0795
				.0510

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 560

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG18)

ALPHA (7) = 44.248 MACH (1) = 10.290 RN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI									
10.000			1.5421						
16.000			1.4118						
19.500	.6917								
20.000					1.1278		1.0212		
22.000			1.0433						
26.000			.6827						
26.500					1.0110				
32.000					.8253				
33.500			.0504						
35.500							.8222		
37.000					.5116				
39.500							.6921		
42.500			.0352		.0237				
43.500							.4742		
47.500							.2465		
51.000							.0082		
53.000				.0183					
55.500								.0059	
57.000								.0051	
59.000					.0181				
90.000					.0077	.0096	.0072		
95.500								.0055	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 561

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG19) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5 050
 ELEV-R = 4.100 SPOBRK = 41.533
 BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000	.7685						
16.000	.7491						
19.500	.7748						
20.000				.3575		.2407	
22.000	.6622						
26.000	.5320						
26.500				.3488			
32.000				.3201			
33.500	.3099						
35.500						.2271	
37.000				.2572			
39.500						.2083	
42.500		.2119		.1602			
43.500						.1731	
47.500						.1149	
51.000						.0783	
53.000			.0494				
55.500							.0339
57.000							.0335
59.000				.1209			
90.000				.0573	.0551	.0543	
95.500							.0262

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000	.9198						
16.000	.9004						
19.500	.7623						
20.000				.4782		.3572	
22.000	.7398						
26.000	.5643						
26.500				.4527			
32.000				.4082			

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 562

(REZG19)

ALPHA (2) = 24.815, MACH (1) = 10.290

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

33.500

35,500

37.000

39.500

42,500

43.500
47.50047.500
51.00051.000
53.00055.000
55 500

57.000

59.000

90 000

95.500

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10 000

16.000

19.500

20.000
22.00022.000
26.000

26.000
26.500

26 500
32 000

32.000
33.500

35.500

37.000

39.500

42.500

43.500

47.500
51.00051.000
57.000

53 000
55 500

55.500
57.000

59 000

90.000

95.500

00000000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 563

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG19)

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	
PHI									
10.000		1.2097							
16.000		1.1426							
19.500	.7218								
20.000					.7675		.6312		
22.000		.8599							
26.000		.6002							
26.500					.7046				
32.000					.5902				
33.500		.2509							
35.500							.5288		
37.000					.3761				
39.500							.4509		
42.500			.1772		.1716				
43.500							.3241		
47.500							.1766		
51.000							.0814		
53.000				.0425					
55.500								.0325	
57.000								.0356	
59.000					.1144				
90.000					.0258	.0415	.0627		
95.500								.0367	

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .31600-01 CPSTAG = 1.8420

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	
PHI									
10.000		1.3263							
16.000		1.2174							
19.500	.6579								
20.000					.9162		.8190		
22.000		.9055							
26.000		.6043							
26.500					.8337				
32.000					.6851				
33.500		.2300							
35.500							.6407		
37.000					.4257				
39.500							.5416		
42.500			.1677		.1805				
43.500							.3833		
47.500							.1991		

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

PAGE 564

(REZG19)

DEPENDENT VARIABLE CP

PHI

51.000

53.000

55,500

57,000

59.000

90.000

95 500

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19.500

20.000

22.000

26.000

26.500

32.000

33.500

35,500

37 000

39.500

42 500

43 500

47 500

51 000

53 000

55 500

57.000

59 000
22 200

90.000

95.500

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 565

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG20) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

.7541

16.000

.7348

19.500

.7612

20.000

.3463

.2335

22.000

.6580

26.000

.5310

26.500

.3381

32.000

.3127

33.500

.3018

35.500

.2116

37.000

.2518

39.500

.1937

42.500

.2036

.1529

43.500

.1698

47.500

.1113

51.000

.0709

53.000

.0353

55.500

.0264

57.000

.0262

59.000

.1149

90.000

.0495

.0475

.0466

95.500

.0180

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

.9319

16.000

.8853

19.500

.7749

20.000

.4706

.3440

22.000

.7461

26.000

.5626

26.500

.4457

32.000

.4011

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZG20)

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

PHI

33,500

35.500

37.000

39.500

42.500

43 500

47.500

51.000

53.000

55 500

57.000

59.000

90.000
25.500

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19.500

20.000

22.000

26 000

26.500

32.000

33.500

35.500

37.000
38.500

39 500
42 500

42.500
43.50043.500
43.500

47 500
51 000

51.000
63.000

55,500

57.000

59.000

90.000

95.500

25,000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 567

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG20)

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 - Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.2922

16.000

1.2090

19.500

.7744

20.000

.8221

.6838

22.000

.9404

26.000

.6541

26.500

.7443

32.000

.6265

33.500

.2733

35.500

.5676

37.000

.4132

39.500

.4852

42.500

.1905

.1843

43.500

.3468

47.500

.1896

51.000

.0929

53.000

.0436

55.500

.0384

57.000

.0414

59.000

.1236

90.000

.0298

.0466

.0686

95.500

.0416

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.4465

16.000

1.3250

19.500

.7229

20.000

1.0062

.8831

22.000

.9902

26.000

.6605

26.500

.9019

32.000

.7376

33.500

.2440

35.500

.7075

37.000

.4583

39.500

.6016

42.500

.1784

.1912

43.500

.4089

47.500

.2160

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

PAGE 568

(REZG20)

95 500

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 569

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG30) (27 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = 0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .8720
 16.000 .8527
 19.500 .8621
 20.000 .4272 .3021
 22.000 .7453
 26.000 .6036
 26.500 .4118
 32.000 .3831
 33.500 .3522
 35.500 .2800
 37.000 .2949
 39.500 .2573
 42.500 .2360 .1844
 43.500 .2037
 47.500 .1372
 51.000 .0903
 53.000 .0578
 55.500 .0373
 57.000 .0392
 59.000 .1380
 90.000 .0615 .0636 .0640
 95.500 .0307

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .0000
 16.000 .0000
 19.500 .0000
 20.000 .0000 .0000
 22.000 .0000
 26.000 .0000
 26.500 .0000
 32.000 .0000

PAGE 570

(REZG30)

DEPENDENT VARIABLE CP

DEPENDENT VARIABLE CP '

95.500

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 571

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG30)

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0962 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.4716

16.000

1.3455

19.500

.7245

20.000

1.0301

.9088

22.000

1.0055

26.000

.6697

26.500

.9229

32.000

.7553

33.500

.2560

35.500

.7336

37.000

.4662

39.500

.6144

42.500

.1793

.1936

43.500

.4197

47.500

.2119

51.000

.0958

53.000

.0666

55.500

.0329

57.000

.0384

59.000

.1199

90.000

.0195

.0464

.0780

95.500

.0502

ALPHA (5) = 44.091 MACH (1) = 7.320 RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.5470

16.000

1.4011

19.500

.6674

20.000

1.1366

1.0341

22.000

1.0166

26.000

.6592

26.500

1.0050

32.000

.8183

33.500

.2333

35.500

.8143

37.000

.4914

39.500

.6778

42.500

.1652

.1942

43.500

.4527

47.500

.2231

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 572

(REZG30)

ALPHA (5) = 44.091 MACH (1) = 7.320

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

51.

53.000

55.500

57.000

59.000

90,000

95.500

ALPHA (6) = 48.692 HACH (1) = 7,320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

10.

16,000

19,500

20.000

22.000

26.000

26 500

32.000

33 500

35 500

37.000

39 500

42.500

43 500

47.500

51.000

53 000

55.500

57 000

59 000

90.000

95.500

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 573

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDGRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8603					
16.000		.8341					
19.500	.8345						
20.000				.4099		.2816	
22.000		.7303					
26.000		.5834					
26.500				.3981			
32.000				.3692			
33.500		.3104					
35.500						.2631	
37.000				.2765			
39.500						.2372	
42.500		.2201		.1707			
43.500						.1899	
47.500						.1182	
51.000						.0727	
53.000			.0477				
55.500						.0191	
57.000						.0229	
59.000				.1224			
90.000				.0417	.0488	.0477	
95.500							.0154

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.6529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.1709					
16.000		1.0968					
19.500	.8013						
20.000				.6902		.5537	
22.000		.8730					
26.000		.6321					
26.500				.6354			
32.000				.5484			

DATE 14 NOV 75 TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 574

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE

(REZG31)

ALPHA (2) = 29.712 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI'

33.500

.2912

35.500

37.000

.3603

.4692

39.500

.4042

42 500
42 500

. 1878

.1679

43,500
42,500

.2867

47.500
51.000

.1537

51.000
53.000

.0697

55.500

.0457

57.000

.0114

59.000

.0207

90 000

127

95 500

.0116

.0353

.0527

.0235

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 575

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG32) (11 NOV 75)

REFERENCE DATA

SREF = 2890.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000	.6997						
16.000	.6937						
19.500	.8168						
20.000				.2877		.1760	
22.000	.6448						
26.000	.5563						
26.500				.2869			
32.000				.2737			
33.500	.3495						
35.500						.1707	
37.000				.2324			
39.500						.1587	
42.500		.2300		.1625			
43.500						.1444	
47.500						.1023	
51.000						.0770	
53.000			.0504				
55.500							.0245
57.000							.0225
59.000				.1250			
90.000				.0704	.0612	.0514	
95.500							.0166

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000	.8533						
16.000	.8328						
19.500	.8505						
20.000				.4036		.2814	
22.000	.7294						
26.000	.5877						
26.500				.3909			
32.000				.3651			

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

PAGE 576

(REZG32)

DEPENDENT VARIABLE CP

95.500

DEPENDENT VARIABLE CP

95.500

PAGE 577

(REZG32)

DEPENDENT VARIABLE CP

PHI

1.1736

1.0995

.8139

.8753

.6428

10123

.2925

12550

DEPENDENT VARIABLE CP

PHI

1.3158

1.2192

.7767

.9369

.6558

10550

.2696

12000

PAGE 578

(REZG32)

DEPENDENT VARIABLE CP

PHI				
51.000			.0765	
53.000	.0504			
55.500				.0169
57.000				.0236
59.000	.1119			
90.000	.0106	.0344	.0601	
95.500				.0310

DEPENDENT VARIABLE CP

PHI				
10.000	1.4422			
16.000	1.3105			
19.500	.7100			
20.000		.9907		.8780
22.000	.9765			
26.000	.6755			
26.500		.8875		
32.000		.7263		
33.500	.2405			
35.500				.7017
37.000		.4460		
39.500				.5904
42.500	.1627	.1732		
43.500				.3926
47.500				.1951
51.000				.0788
53.000		.0490		
55.500				.0174
57.000				.0243
59.000		.1050		
90.000		.0065	.0324	.0633
95.500				.0354

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 579

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG32)

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.5276

16.000

1.3800

19.500

.6470

20.000

1.1134

1.0252

22.000

.9914

26.000

.6607

26.500

.9884

32.000

.7938

33.500

.2124

35.500

.8017

37.000

.4731

39.500

.6676

42.500

.1510

.1781

43.500

.4346

47.500

.2092

51.000

.0819

53.000

.0594

55.500

.0194

57.000

.0256

59.000

.1007

90.000

.0055

.0327

.0667

95.500

.0410

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.5873

16.000

1.4107

19.500

.5684

20.000

.0000

.0000

22.000

.9619

26.000

.6534

26.500

.0000

32.000

.0000

33.500

.1840

35.500

.8894

37.000

.0000

39.500

.7281

42.500

.1353

.1746

43.500

.0000

47.500

.0000

TABULATED SOURCE DATA 0438 (ARC 3.5-198)

(REZG32)

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

51.000

53.000

55.500

57.000

59.000

90.000

95.500

000000

.0833

.0787

.0000

.0223

.0952

.0024

.0000

.0661

.0416

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 581

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG33) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000	.8705						
16.000	.8466						
19.500	.8460						
20.000				.4169		.2891	
22.000	.7432						
26.000	.5922						
26.500				.4062			
32.000				.3751			
33.500	.3125						
35.500						.2684	
37.000				.2833			
39.500						.2432	
42.500		.2222		.1717			
43.500						.1953	
47.500						.1223	
51.000						.0750	
53.000			.0488				
55.500						.0200	
57.000						.0241	
59.000				.1228			
90.000				.0439	.0509	.0493	
95.500							.0167

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000	1.0359						
16.000	.9768						
19.500	.7927						
20.000				.5583		.4260	
22.000	.8083						
26.000	.6237						
26.500				.5236			
32.000				.4589			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = .12518 CPSTAG = 1.8292

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.7091					
16.000		.7011					
19.500	.8194						
20.000				.2985		.1891	
22.000		.6522					
26.000		.5648					
26.500				.2978			
32.000				.2839			
33.500		.3540					
35.500						.1821	
37.000				.2429			
39.500						.1701	
42.500		.2379		.1710			
43.500						.1547	
47.500						.1132	
51.000						.0860	
53.000			.0516				
55.500							.0343
57.000							.0000
59.000				.1343			
90.000				.0794	.0694	.0603	
95.500							.0000

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8525					
16.000		.8263					
19.500	.8389						
20.000				.4041		.2825	
22.000		.7316					
26.000		.5891					
26.500				.3912			
32.000				.3616			

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 585

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE

(REZG34)

ALPHA (2) = 19.440 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	
PHI									
33.500		.3371							
35.500							.2586		
37.000					.2805				
39.500							.2360		
42.500			.2206		.1705				
43.500							.1906		
47.500							.1235		
51.000							.0764		
53.000				.0504					
55.500								.0237	
57.000								.0255	
59.000					.1239				
90.000					.0478	.0504	.0503		
95.500								.0174	

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500	
PHI									
10.000		1.0243							
16.000		.9660							
19.500	.8171								
20.000					.5438		.4093		
22.000		.8162							
26.000		.6358							
28.500					.5111				
32.000					.4581				
33.500		.3150							
35.500							.3615		
37.000					.3206				
39.500							.3187		
42.500			.2067		.1709				
43.500							.2372		
47.500							.1377		
51.000							.0733		
53.000				.0473					
55.500								.0222	
57.000								.0265	
59.000					.1217				
90.000					.0345	.0457	.0545		
95.500								.0250	

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 566

ARC 3.5-198 OH38 1400 ORB FUSELAGE NOSE

(REZG34)

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.1903					
16.000		1.1162					
19.500	.0186						
20.000				.7074		.5637	
22.000		.8949					
26.000		.6529					
26.500				.6531			
32.000				.5609			
33.500		.2951					
35.500						.4776	
37.000				.3786			
39.500						.4138	
42.500			.1943	.1748			
43.500						.2994	
47.500						.1644	
51.000						.0750	
53.000			.0444				
55.500							.0175
57.000							.0229
59.000				.1178			
90.000				.0181	.0371	.0556	
95.500							.0252

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTAG = 1.8299

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.3274					
16.000		1.2181					
19.500	.7686						
20.000				.8513		.7166	
22.000		.9465					
26.000		.6845					
26.500				.7718			
32.000				.6488			
33.500		.2724					
35.500						.5922	
37.000				.4131			
39.500						.5060	
42.500			.1824	.1771			
43.500						.3480	
47.500						.1832	

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZG34)

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

FBI

51.000

53.000

55.500

57.000

59.000

90.000

95,500

ALPHA (6) = 39.895 MACH (1) = 7.320 RN/L = 2.7598 Q = 4.7956 P = .12790 CPSTAG = 1.8308

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10.000

16,000

19,500

20.000

22,000

26 000

26.500

32 000

33,500

35,500

37,000

39.500

42,500

43,500

47.500

51.000

53 000

55,500

57 000

59 000

90 000
95 000

95.500

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG34)

ALPHA (7) = 44.264 MACH (1) = 7.320 RN/L = 3.0057 Q = 4.8185 P = .12850 CPSTAG = 1.8302

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.5320					
16.000		1.3753					
19.500	.6519						
20.000				1.1197		1.0255	
22.000		.9989					
26.000		.6627					
26.500				.9909			
32.000				.8018			
33.500	.2197						
35.500						.8101	
37.000				.4765			
39.500						.6728	
42.500		.1555		.1831			
43.500						.4411	
47.500						.2128	
51.000						.0866	
53.000			.0679				
55.500							.0238
57.000							.0301
59.000				.1058			
90.000				.0088	.0381	.0713	
95.500							.0457

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.5827					
16.000		1.4034					
19.500	.5724						
20.000				1.2366		1.1659	
22.000		.9632					
26.000		.6611					
26.500				1.0898			
32.000				.8619			
33.500	.1898						
35.500						.9008	
37.000				.5268			
39.500						.7380	
42.500		.1426		.1815			
43.500						.5131	
47.500						.2827	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 569

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG34)

ALPHA (8) = 50.000 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

51.000

53.000

55.500

57.000

59.000

90.000

95.500

.0879

.0825

.0269

.0313

.1041

.0133

.0385

.0738

0498

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG35) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .000
 ELEV-R = .000 SPDRBK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = .13060 CPSTAG = 1.8282

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8479					
16.000		.8282					
19.500	.8451						
20.000				.3982		.2766	
22.000		.7322					
26.000		.5844					
26.500				.3862			
32.000				.3622			
33.500		.3398					
35.500						.2563	
37.000				.2783			
39.500						.2343	
42.500		.2223		.1702			
43.500						.1855	
47.500						.1202	
51.000						.0762	
53.000			.0405				
55.500							.0230
57.000							.0250
59.000				.1240			
90.000				.0478	.0505	.0498	
95.500							.0164

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.0292					
16.000		.9826					
19.500	.8472						
20.000				.5379		.4006	
22.000		.8319					
26.000		.6364					
26.500				.5099			
32.000				.4579			

TABULATED SOURCE DATA -OH38 (ARC 3.5-198)

PAGE 591

(REZG35)

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

PHI

33.500

.3231

35.500

37 000

39-500

42.500
43.50043.500
47.50047.500
51.00051.000
53.000

55.500

57.000

59.000

90.000

95.500

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10.000

16.000

19.500

20 000

22 000

26.000
26.50026.500
33.00032.000
33.500

33.500
35.500

35.500
37.000

39.500

42 500

43 500

47 500

51.000

53.000
55.50055.500
57.00057.000
59.000

59.000
90.000

95.500

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 593

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE

(REZ035)

ALPHA (5) = 39.947 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI									
51.000								.0774	
53.000				.0509					
55.500									.0140
57.000									.0205
59.000						.1033			
90.000						.0026	.0290	.0607	
95.500									.0323

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) FUSELAGE NOSE		DEPENDENT VARIABLE CP							
X/L		.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI									
10.000			1.5497						
16.000			1.3996						
19.500	.6609								
20.000					1.1260		1.0233		
22.000			1.0157						
26.000			.6524						
26.500					1.0007				
32.000					.8122				
33.500			.2240						
35.500							.8061		
37.000					.4777				
39.500							.6684		
42.500			.1548		.1818				
43.500							.4421		
47.500							.2067		
51.000							.0835		
53.000				.0695					
55.500								.0190	
57.000								.0261	
59.000					.1030				
90.000					.0029	.0340	.0686		
95.500								.0417	

ARC 3.5-198 OH38 1400 ORB FUSELAGE NOSE

(REZG36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.6950					
16.000		.6894					
19.500	.8133						
20.000				.2930		.1830	
22.000		.6382					
26.000		.5335					
26.500				.2892			
32.000				.2779			
33.500		.3486					
35.500						.1764	
37.000				.2320			
39.500						.1660	
42.500			.2298	.1638			
43.500						.1420	
47.500						.1035	
51.000						.0786	
53.000			.0444				
55.500						.0265	
57.000						.0246	
59.000				.1263			
90.000				.0718	.0623	.0531	
95.500							.0187

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.9939					
16.000		.9400					
19.500	.8053						
20.000				.5198		.3905	
22.000		.7904					
26.000		.5994					
26.500				.4887			
32.000				.4364			

PAGE 596

(REZG36)

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19.500

20.000

22.000

26 000

26.500

32.000

33.500

35 500

37 000

39.500

42.500

43.500

47.500

51 000

53 000

55 500

57.000

59.000

90 000

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19.500

20,000

22.000

26 000

26.500

32.000

33.500

35.500

37.000

39.500

42,500

43.500

47.500

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(REZG36)

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

ALPHA (5) = 48.639 MACH (1) = 7.320

[illegible]

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG37) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2680.0000 SQ.FT. XMRP = .0000
 LREF = 1290 3000 IN. YMRP = .0000
 BREF = 1290 3000 IN. ZMRP = .0000
 SCALE = 0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 6.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .6976
 16.000 .6851
 19.500 .8064
 20.000 .2904 .1816
 22.000 .6377
 26.000 .5484
 26.500 .2871
 32.000 .2771
 33.500 .2967
 35.500 .1726
 37.000 .2266
 39.500 .1621
 42.500 .2288 .1646
 43.500 .1411
 47.500 .1017
 51.000 .0769
 53.000 .0416
 55.500 .0229
 57.000 .0221
 59.000 .1246
 90.000 .0685 .0613 .0504
 95.500 .0167

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI
 10.000 .8393
 16.000 .8127
 19.500 .8114
 20.000 .3963 .2759
 22.000 .7175
 26.000 .5664
 26.500 .3800
 32.000 .3526

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198*)

PAGE 599

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(REZG37)

ALPHA (2) = 19.629 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PH1								
33.500		.2965						
35.500							.2513	
37.000					.2658			
39.500							.2283	
42.500			.2138		.1617			
43.500							.1805	
47.500							.1147	
51.000							.0685	
53.000				.0417				
55.500								.0177
57.000								.0218
59.000					.1181			
90.000					.0417	.0479	.0469	
95.500								.0149

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ARC 3.5-198 OH39 140C ORB FUSELAGE NOSE

(REZG38) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8617					
16.000		.8268					
19.500	.8049						
20.000				.4034		.2815	
22.000		.7339					
26.000		.5941					
26.500				.3870			
32.000				.3609			
33.500		.2880					
35.500						.2571	
37.000				.2693			
39.500						.2328	
42.500			.2125	.1634			
43.500						.1825	
47.500						.1147	
51.000						.0674	
53.000			.0355				
55.500							.0162
57.000							.0205
59.000				.1166			
90.000				.0395	.0447	.0446	
95.500							.0134

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.0185					
16.000		.9589					
19.500	.7952						
20.000				.5401		.4042	
22.000		.8111					
26.000		.6255					
26.500				.5050			
32.000				.4539			

TABULATED SOURCE DATA OH30 (ARC 3.5-198)

(REZG38)

ARC 3.5-19B OH3B 140C ORB FUSELAGE NOSE

ALPHA (2) = 25.000 MACH (1) = 7.320

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 602

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(XEZG03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = 13040 CPSTAG = 1.8299

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8364					
16.000		.8157					
19.500	.8055						
20.000				.4016		.2778	
22.000		.2295					
26.000		.1736					
26.500				.3892			
32.000				.3593			
33.500		.3297					
35.500						.2567	
37.000				.0806		.2335	
39.500							
42.500			.2149	.1665			
43.500						.0612	
47.500						.0434	
51.000						.0735	
53.000				.0512			
55.500						.0223	
57.000						.0243	
59.000					.1204		
90.000					.0457	.0481	.0485
95.500							.0169

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.0070					
16.000		.9644					
19.500	.8094						
20.000				.5392		.4052	
22.000		.2697					
26.000		.1930					
26.500				.5091			
32.000				.4519			

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(XEZG03)

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

ALPHA (2) = 24.885 MACH (1) = 7.320

[illegible]

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

[illegible]

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(XEZG03)

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.3023					
16.000		1.2126					
19.500	.7462						
20.000				.8599		.7232	
22.000		.2765					
26.000		.1730					
26.500				.7783			
32.000				.6490			
33.500		.2599					
35.500						.6011	
37.000				.1106			
39.500						.5090	
42.500		.1753		.1727			
43.500						.0996	
47.500						.0530	
51.000						.0772	
53.000			.0465				
55.500						.0193	
57.000						.0236	
59.000				.1109			
90.000				.0115	.0336	.0598	
95.500							.0313

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.4323					
16.000		1.3060					
19.500	.6927						
20.000				1.0103		.8898	
22.000		.3495					
26.000		.2061					
26.500				.9007			
32.000				.7407			
33.500		.2358					
35.500						.7179	
37.000				.1406			
39.500						.6004	
42.500		.1624		.1766			
43.500						.1343	
47.500						.0726	

TABULATED SOURCE DATA 0H38 (ARC 3.5-198)

(XEZG03)

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE

ALPHA (5) = 39.947 MACH (1) = 7.320

[illegible]

ALPHA (6) = 44.174 HACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

[illegible]

PAGE 606

(XEZG03)

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19 500

20.000

22.000

26.000

26.500

32 000

33 500

35.500

37.000

39.500

42,500

43.500

47,500

51,000

53 000

55,500

57,000

59.000

90 000

95.500

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 607

ARC 3.5-198 OH3B 140C ORB FUSELAGE NOSE

(XEZG04) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
10.000		.8568						
16.000		.8381						
19.500	.8373							
20.000					.4035		.2804	
22.000		.7442						
26.000		.5822						
26.500					.3927			
32.000					.3650			
33.500		.2678						
35.500							.2585	
37.000					.2747			
39.500							.2349	
42.500			.2233		.1721			
43.500							.1891	
47.500							.1196	
51.000							.0742	
53.000				.0448				
55.500								.0209
57.000								.0246
59.000					.1241			
90.000					.0438	.0514	.0502	
95.500								.0175

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
10.000		1.0317						
16.000		.9866						
19.500	.8133							
20.000					.5596		.4269	
22.000		.6999						
26.000		.5024						
26.500					.5292			
32.000					.4694			

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 609

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(XEZG04)

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.3394

16.000

1.2383

19.500

.7417

20.000

.8796

.7410

22.000

.7471

26.000

.4920

26.500

.7942

32.000

.6642

33.500

.2647

35.500

.6090

37.000

.3074

39.500

.5125

42.500

.1734

.1730

43.500

.2629

47.500

.0574

51.000

.0758

53.000

.0448

55.500

.0159

57.000

.0221

59.000

.1092

90.000

.0080

.0321

.0600

95.500

.0311

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.4448

16.000

1.3135

19.500

.6628

20.000

1.0284

.9005

22.000

.7748

26.000

.4898

26.500

.9101

32.000

.7502

33.500

.2339

35.500

.7221

37.000

.3467

39.500

.5950

42.500

.1581

.1765

43.500

.3147

47.500

.0700

PAGE 610

(XEZG04)

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 611

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(XEZG05) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = 000
 BDFLAP = .000 RN/L = 3 000

ALPHA (1) = 19 496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10 000		.8485					
16 000		.8293					
19 500	.8344						
20 000				.4053		.2816	
22 000		.7343					
26 000		.5848					
26 500				.3889			
32 000				.3623			
33 500		.3371					
35 500						.2585	
37 000				.2774			
39 500						.2373	
42 500			.2210	.1712			
43 500						.1888	
47 500						.1226	
51 000						.0774	
53 000			.0510				
55 500						.0246	
57 000						.0267	
59 000				.1243			
90 000				.0491	.0513	.0512	
95 500							.0182

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10 000		1.1868					
16 000		1.1158					
19 500	.8163						
20 000				.7048		.5583	
22 000		.9047					
26 000		.6500					
26 500				.6495			
32 000				.5593			

PAGE 612

(XEZG05)

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 613

ARC 3.5-198 OH38 1400 ORB FUSELAGE NOSE

(XEZG05)

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.4639

16.000

1.3331

19.500

.7257

20.000

1.0148

.8930

22.000

1.0029

26.000

.6631

26.500

.9079

32.000

.7412

33.500

.2480

35.500

.7166

37.000

.4560

39.500

.6037

42.500

.1673

.1807

43.500

.4040

47.500

.2003

51.000

.0827

53.000

.0544

55.500

.0185

57.000

.0259

59.000

.1077

90.000

.0069

.0339

.0657

95.500

.0368

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12880 CPSTAG = 1.8300

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.5161

16.000

1.3605

19.500

.6253

20.000

1.1118

1.0138

22.000

.9852

26.000

.6507

26.500

.9855

32.000

.7859

33.500

.2106

35.500

.7930

37.000

.4686

39.500

.6563

42.500

.1496

.1766

43.500

.4344

47.500

.2071

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(XEZG05)

ALPHA (5) = 45.000 MACH. (1) = 7.320

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

[illegible]

ALPHA (6) = 50.000 HACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) FUSELAGE NOSE DEPENDENT VARIABLE CP

[illegible]

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 515

ARC 3.5-198 OH38 1400_ORB FUSELAGE NOSE

(XEZG06) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

.8522

16.000

.8201

19.500

.8052

20.000

.4021

.2810

22.000

.7186

26.000

.5796

26.500

.3907

32.000

.3581

33.500

.3219

35.500

.2553

37.000

.2645

39.500

.2291

42.500

.2096

.1604

43.500

.1802

47.500

.1102

51.000

.0658

53.000

.0342

55.500

.0151

57.000

.0194

59.000

.1145

90.000

.0386

.0438

.0434

95.500

.0125

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.0361

16.000

.9777

19.500

.7927

20.000

.5579

.4265

22.000

.8087

26.000

.6243

26.500

.5217

32.000

.4578

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(XEZG06)

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

PHI

33.500

35.500

37.000

39.500

42,500

43.500

47.500
51.00051.000
67.000

53 000
55 600

55.500
57.00057.000
59.000

59 000
90 000

90.000
95.500

95.500

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

PHI

10.000

16.000

19.500

20.000

22.000

26,000
26,50026.500
32.00032.000
33.600

33	500
35	500

35.500
37.00037.000
39.500

42.500

43.500

47.500

51.000

53,000

55,500

57 000

59,000

90,000

95,500

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 617

(XEZG08)

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1 8296

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

10.000

16.000

19.500

20.000

22.000

26.000

26.500

32.000

33.500

35.500

37.000

39.500

42.500

43.500

47.500

51 000

53 000

55 500

57.000

59.000

90.000

95.500

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(XEZG11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPD8RK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.7021						
16.000		.6953						
19.500	.8201							
20.000					.2881		.1774	
22.000		.6425						
26.000		.5560						
26.500					.2858			
32.000					.2770			
33.500		.3524						
35.500							.1722	
37.000					.2300			
39.500							.1599	
42.500			.2298		.1637			
43.500							.1428	
47.500							.1017	
51.000							.0773	
53.000				.0482				
55.500							.0247	
57.000							37.3949	
59.000					.1256			
90.000					.0709	.0627	.0516	
95.500								.0000

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
PHI								
10.000		.8577						
16.000		.8358						
19.500	.8451							
20.000					.4064		.2840	
22.000		.7353						
26.000		.5941						
26.500					.3936			
32.000					.3643			

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(XEZG11)

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.1937

16.000

1.1132

19.500

.8199

20.000

.7034

.5611

22.000

.8920

26.000

.6524

26.500

.6484

32.000

.5592

33.500

.2947

35.500

.4770

37.000

.3757

39.500

.4127

42.500

.1950

.1743

43.500

.2969

47.500

.1646

51.000

.0756

53.000

.0455

55.500

.0182

57.000

.0240

59.000

.1183

90.000

.0188

.0381

.0553

95.500

.0262

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.3303

16.000

1.2228

19.500

.7564

20.000

.8646

.7305

22.000

.9431

26.000

.6739

26.500

.7799

32.000

.6503

33.500

.2652

35.500

.6027

37.000

.4174

39.500

.5091

42.500

.1786

.1742

43.500

.3526

47.500

.1838

TABULATED SOURCE DATA OH38 (ARC 3 5-198)

PAGE 621

(XEZG11)

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

PHI				
51.000				.0784
53.000	.0367			
55.500				.0200
57.000				.0250
59.000	.1128			
90.000	.0133	.0343	.0604	
95.500				.0312

ALPHA (6) = 39.946 HACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI				
10.000		1.4590		
16.000		1.3354		
19.500	.7234			
20.000			1.0095	.8881
22.000		.9929		
26.000		.6680		
26.500			.8994	
32.000			.7430	
33.500		.2481		
35.500				.7106
37.000			.4570	
39.500				.5955
42.500		.1674	.1796	
43.500				.4042
47.500				.2001
51.000				.0819
53.000			.0607	
55.500				.0182
57.000				.0251
59.000			.1080	
90.000			.0059	.0339
95.500				.0653
				.0369

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(XEZG11)

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.5282

16.000

1.3706

19.500

.6315

20.000

1.1328

1.0293

22.000

.9953

26.000

.6530

26.500

1.0050

32.000

.8039

33.300

.2135

35.500

.8099

37.000

.4781

39.500

.6693

42.500

.1514

.1799

43.500

.4461

47.500

.2094

51.000

.0832

53.000

.0640

55.500

.0201

57.000

.0260

59.000

.1015

90.000

.0055

.0336

.0674

95.500

.0413

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000

1.5783

16.000

1.4049

19.500

.5714

20.000

1.2385

1.1576

22.000

.9943

26.000

.6349

26.500

1.0871

32.000

.8615

33.500

.1916

35.500

.8992

37.000

.4918

39.500

.7350

42.500

.1380

.1796

43.500

.4808

47.500

2189.

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(XEZG11)

ARC 3.5-19B OH38 140C ORB FUSELAGE NOSE

ALPHA (8) = 48.676 MACH (1) = 7.320

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L	.0100	.0300	.0500	.0800	.1000	.1600	.2000	.2500
-----	-------	-------	-------	-------	-------	-------	-------	-------

PHI

51.000

53.000

55.500

57.000

59 000

90.000

95 500

55 566

.0707

.0822

.0190

.0259

.0984

.0024

.0332

.0691

.0443

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

(YEZG03) -(05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		.8443					
16.000		.8176					
19.500	.8100						
20.000				.3982		.2797	
22.000		.7196					
26.000		.5866					
26.500				.3833			
32.000				.3577			
33.500		.3281					
35.500						.2574	
37.000				.2679			
39.500						.2338	
42.500			.2138	.1618			
43.500						.1818	
47.500						.1125	
51.000						.0709	
53.000			.0395				
55.500							.0207
57.000							.0227
59.000				.1182			
90.000				.0458	.0480	.0474	
95.500							.0156

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.1807					
16.000		1.1101					
19.500	.8159						
20.000				.7009		.5585	
22.000		.8960					
26.000		.6442					
26.500				.6462			
32.000				.5574			

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

(YEZG03)

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE

ALPHA (2) = 29.494 MACH (1) = 7.320

[illegible]

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.8296

[illegible]

ARC 3.5-198 OH38 140C ORB FUSELAGE NOSE

{YEZG03}

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.8303

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.4434					
16.000		1.3206					
19.500	.7166						
20.000				.9971		.8772	
22.000		.9894					
26.000		.6577					
26.500				.8925			
32.000				.7316			
33.500	.2440						
35.500						.7052	
37.000				.4475			
39.500						.5883	
42.500		.1636		.1769			
43.500						.3995	
47.500						.1952	
51.000						.0792	
53.000			.0506				
55.500							.0160
57.000							.0230
59.000				.1049			
90.000				.0041	.0315	.0629	
95.500							.0348

ALPHA (5) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1600 .2000 .2500

PHI

10.000		1.5196					
16.000		1.3739					
19.500	.6490						
20.000				1.1108		1.0082	
22.000		.9914					
26.000		.6600					
26.500				.9848			
32.000				.7925			
33.500	.2144						
35.500						.7915	
37.000				.4723			
39.500						.6577	
42.500		.1495		.1749			
43.500						.4332	
47.500						.2058	

TABULATED SOURCE DATA OH3d (ARC 3.5-198)

(YEZG03)

ARC 3.5-198 0H38 140C ORB FUSELAGE NOSE

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

PHI

51.000

53.000

55.500

57.000

59.000
00.000

90 000
05 500

95 500

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 628

ARC 3.5-198 OH38 1400 ORB FUSELAGE NOSE

(YEZG04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1500 .2000 .2500

X/L	.0100	.0300	.0500	.0800	.1000	.1500	.2000	.2500
PH1								
10.000		1.1889						
16.000		1.1180						
19.500	.7893							
20.000					.7178		.5788	
22.000		.8924						
26.000		.3543						
26.500					.6601			
32.000					.5630			
33.500		.2931						
35.500							.4889	
37.000					.3693			
39.500							.4205	
42.500			.1888		.1704			
43.500							.2968	
47.500							.1586	
51.000							.0722	
53.000				.0366				
55.500								.0136
57.000								.0212
59.000					.1142			
90.000					.0139	.0359	.0543	
95.500								.0252

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) FUSELAGE NOSE

DEPENDENT VARIABLE CP

X/L .0100 .0300 .0500 .0800 .1000 .1500 .2000 .2500

X/L	.0100	.0300	.0500	.0800	.1000	.1500	.2000	.2500
PH1								
10.000		1.4497						
16.000		1.3298						
19.500	.6913							
20.000					1.0249		.9054	
22.000		.9916						
26.000		.2993						
26.500					.9194			
32.000					.7452			

PAGE 629

(YEZG04)

DEPENDENT VARIABLE CP

90.000
95.500

.0375

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH01) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SPEF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.942 MACH (1) = 7.320 RN/L = 2.9179 Q = 4.8311 P = .12880 CPSTAG = 1.8304

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0315			
.050			.1609	.0847	
.100					.0200
.200		.0017	.0347	.0281	
.400					.0020
.497					.0002
.600			-.0136	.0425	
.631				.0069	
.698			.0043		
.751					.0112
.752		-.0025			
.791				.0004	
.809			.0410		
.826	-.0039				
.831		-.0033			
.878	-.0035				
.900			.0056		
.950			.0001		

ALPHA (2) = 29.899 MACH (1) = 7.320 RN/L = 2.8254 Q = 4.8215 P = .12850 CPSTAG = 1.8307

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0037			
.050			.1045	.0211	
.100					-.0119
.200		-.0139	.0084	.0020	
.400					-.0153
.497					-.0159
.600			-.0112	.0875	
.631				-.0003	
.698			-.0125		
.751					-.0025
.752		-.0141			
.791				-.0140	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 631

ARC 3 5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH01)

ALPHA (2) = 29.899 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809		.0316
.826	- .0168	
.831		-.0164
.878	- .0173	
.900		-.0080
.950		-.0152

ALPHA (3) = 35.065 MACH (1) = 7.320 RN/L = 2.9202 Q = 4.8321 P = .12880 CPSTAG = 1.8304

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0132	
.050		.0883	.0258
.100			.0000
.200	-.0008	.0172	.0103
.400			.0000
.497			.0000
.600		.0000	.1186
.631			.0161
.698		.0011	
.751			.0123
.752	-.0027		
.791		.0020	
.809		.0444	
.826	-.0029		
.831		-.0024	
.878	-.0027		
.900		.0066	
.950		-.0005	

ALPHA (4) = 40.034 MACH (1) = 7.320 RN/L = 2.9064 Q = 4.8301 P = .12880 CPSTAG = 1.8305

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	-.0069		
.050		.0377	-.0016
.100			-.0151
.200	-.0141	-.0033	-.0138
.400			-.0165

REPRODUCIBILITY OF THE
ORIGIN A - ACT IS POOR

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH01)

ALPHA (4) = 40.034 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					
.600			- .0040	.1517	-.0166
.631				.0101	
.698			-.0131		
.751					.0003
.752		-.0130			
.791				-.0093	
.809			.0370		
.826	-.0159				
.831		-.0146			
.878	-.0156				
.900			-.0050		
.950			-.0127		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 633

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH02) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = 41.533
 BOFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.866 MACH (1) = 7.320 RN/L = 5.5780 Q = 9.8696 P = .23550 CPSTAG = 1 8301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0164			
.050		.1328	.0673	
.100				.0026
.200	-.0157	.0105	.0062	
.400				-.0125
.497				-.0137
.600		-.0173	.0048	
.631			.0000	
.698		-.0155		
.751				-.0091
.752	-.0191			
.791			.0000	
.809		-.0171		
.826	-.0207			
.831		-.0203		
.878	-.0206			
.900		-.0196		
.950		-.0200		

ALPHA (2) = 30.030 MACH (1) = 7.320 RN/L = 6.2472 Q = 10.214 P = .27230 CPSTAG = 1.8303

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0029			
.050		.1032	.0206	
.100				-.0128
.200	-.0143	.0033	.0013	
.400				-.0130
.497				-.0128
.600		-.0154	.0659	
.631			-.0054	
.698		-.0132		
.751				-.0043
.752	-.0150			
.791			-.0121	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH02)

ALPHA (2) = 30.030 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809			.0010	
.826	-.0157			
.831		-.0156		
.878	-.0158			
.900			-.0131	
.950			-.0151	

ALPHA (3) = 39.697 MACH (1) = 7.320 RN/L = 5.7669 Q = 9.3670 P = .24970 CPSTAG = 1.8303

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0061		
.050			.0363	-.0014
.100				-.0126
.200		-.0119	-.0038	-.0131
.400				-.0134
.497				-.0144
.600			-.0061	.1552
.631				.0072
.698			-.0118	
.751				-.0020
.752		-.0110		
.791				-.0090
.809			.0009	
.826	-.0136			
.831		-.0126		
.878	-.0132			
.900			-.0102	
.950			-.0119	

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 635

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT)

(REZH03) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.675 MACH (1) = 7.320 RN/L = 2.9908 Q = 4.8201 P = .12850 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0454			
.050		.1718	.0985	
.100				.0344
.200	.0093	.0378	.0342	
.400				.0123
.497				.0133
.600		-.0164	.1045	
.631			.0167	
.698		.0095		
.751				.0177
.752	.0086			
.791			.0118	
.809		.0187		
.826	.0080			
.831	.0084			
.878	.0099			
.900		.0085		
.950		.0080		

ALPHA (2) = 24.999 MACH (1) = 7.320 RN/L = 3.0288 Q = 4.8239 P = .12860 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0372			
.050		.1530	.0717	
.100				.0241
.200	.0086	.0320	.0315	
.400				.0130
.497				.0133
.600		-.0153	.1490	
.631			.0165	
.698		.0103		
.751				.0180
.752	.0095			
.791			.0116	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH03)

ALPHA (2) = 24.999 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809		.0183
.826	.0095	
.831	.0091	
.878	.0095	
.900		.0103
.950		.0107

ALPHA (3) = 29.791 MACH (1) = 7.320 RN/L = 3.1681 Q = 4.8445 P = .12920 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0365		
.050		.1387	.0558
.100			.0197
.200	.0130	.0298	.0320
.400			.0166
.497			.0161
.600		-.0144	.0791
.631			.0170
.698		.0154	
.751			.0207
.752	.0152		
.791		.0147	
.809		.0229	
.826	.0145		
.831	.0141		
.878	.0146		
.900		.0148	
.950		.0140	

ALPHA (4) = 34.916 MACH (1) = 7.320 RN/L = 3.1752 Q = 4.8467 P = .12920 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0318		
.050		.1047	.0453
.100			.0142
.200	.0147	.0255	.0248
.400			.0134

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 637

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH03)

ALPHA (4) = 34.916 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE -- DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					.0139
.600			-.0134	.1240	
.631				.0193	
.698			.0152		
.751					.0199
.752		.0149			
.791				.0155	
.809			.0240		
.826	.0149				
.831		.0151			
.878	.0150				
.900			.0152		
.950			.0152		

ALPHA (5) = 39.806 MACH (1) = 7.320 RN/L = 3.2377 Q = 4.8515 P = .12930 CPSTAG = 1.8297

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0269			
.050			.0731	.0314	
.100					.0122
.200		.0157	.0206	.0154	
.400					.0138
.497					.0140
.600			-.0090	.1768	
.631				.0242	
.698			.0163		
.751					.0202
.752		.0163			
.791				.0170	
.809			.0249		
.826	.0159				
.831		.0155			
.878	.0157				
.900			.0173		
.950			.0160		

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 638

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPOBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.748 MACH (1) = 7.320 RN/L = 6.5336 Q = 10.480 P = .27940 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0261
 .050 .1441 .0772
 .100 .0137
 .200 -.0096 .0156 .0125
 .400 -.0053
 .497 -.0053
 .600 -.0190 .0340
 .631 -.0035
 .698 -.0089
 .751 -.0022
 .752 -.0098
 .791 -.0057
 .809 -.0057
 .826 -.0109
 .831 -.0103
 .878 -.0103
 .900 -.0098
 .950 -.0099

ALPHA (2) = 25.260 MACH (1) = 7.320 RN/L = 6.8729 Q = 10.514 P = .28030 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0157
 .050 .1276 .0479
 .100 .0028
 .200 -.0065 .0151 .0123
 .400 -.0019
 .497 -.0004
 .600 -.0037 .0486
 .631 .0012
 .698 -.0045
 .751 .0035
 .752 -.0076
 .791 -.0040

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 639

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT)

(REZH04)

ALPHA (2) = 25.260 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809			.0032	
.826	-.0076			
.831		-.0080		
.878	-.0075			
.900			-.0055	
.950			-.0069	

ALPHA (3) = 29.923 MACH (1) = 7.320 RN/L = 6.4567 Q = 10.050 P = .26900 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0131		
.050			.1146	.0311
.100				-.0018
.200	-.0033	.0141	.0126	
.400				-.0020
.497				-.0022
.600		-.5252	.0506	
.631			.0033	
.698		-.0020		
.751				.0077
.752	-.0041			
.791			-.0008	
.809		.0108		
.826	-.0046			
.831		-.0046		
.878	-.0046			
.900			-.0020	
.950			-.0041	

ALPHA (4) = 34.998 MACH (1) = 7.320 RN/L = 6.3224 Q = 10.057 P = .26910 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	-.0007			
.050		.0700	.0124	
.100				-.0144
.200	-.0123	.0006	-.0037	
.400				-.0120

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH04)

ALPHA (4) = 34.998 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497				-.0114
.600		-.0146	.0923	
.631			.0002	
.698		-.0113		
.751				-.0028
.752		-.0130		
.791			-.0103	
.809			-.0020	
.826	-.0133			
.831		-.0137		
.878	-.0135			
.900			-.0103	
.950			-.0125	

ALPHA (5) = 39.693 MACH (1) = 7.320 RN/L = 6.4884 Q = 9.9611 P = .26560 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0070		
.050			.0370	-.0022
.100				-.0129
.200		-.0131	-.0053	-.0139
.400				-.0138
.497				-.0140
.600			-.0118	.0959
.631				.0008
.698			-.0127	
.751				-.0034
.752		-.0125		
.791			-.0102	
.809			-.0120	
.826	-.0135			
.831		-.0132		
.878	-.0143			
.900			-.0117	
.950			-.0125	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 641

ARC 3.5-198 OH38 1400 ORB WING UPPER SURFACE(RT)

(REZH05) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPOBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.629 MACH (1) = 7.320 RN/L = 2.8806 Q = 4.8136 P = .12830 CPSTAG = 1.8305

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0462			
.050			.1477	.0647	
.100					.0294
.200		.0236	.0412	.0432	
.400					.0257
.497					.0260
.600			-.0072	.3391	
.631				.0385	
.698			.0250		
.751					.0318
.752		.0269			
.791				.0262	
.809			.0366		
.826	.0250				
.831		.0251			
.878	.0249				
.900			.0256		
.950			.0257		

ALPHA (2) = 19.688 MACH (1) = 7.320 RN/L = 2.9142 Q = 4.8211 P = .12850 CPSTAG = 1.8304

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0589			
.050			.1916	.1133	
.100					.0488
.200		.0243	.0542	.0525	
.400					.0276
.497					.0263
.600			-.0102	.2386	
.631				.0383	
.698			.0253		
.751					.0329
.752		.0251			
.791				.0264	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH05)

ALPHA (2) = 19.688 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

809			.0362	
826	.0232			
.831		.0244		
878	.0256			
.900			.0260	
.950			.0247	

ALPHA (3) = 39.579 MACH (1) = 7.320 RN/L = 2.8295 Q = 4.8095 P = .12820 CPSTAG = 1.8307

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0374		
.050			.0844	.0420
.100				.0226
.200		.0269	.0323	.0266
.400				.0240
.497				.0243
.600			-.0094	.3930
.631				.0424
.698			.0267	
.751				.0314
.752		.0279		
.791			.0278	
.809			.0366	
.826	.0268			
.831		.0261		
.878	.0264			
.900			.0271	
.950			.0273	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 643

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH06) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 000 RN/L = 6.500

ALPHA (1) = 19.823 MACH (1) = 7.320 RN/L = 6.7732 Q = 10.531 P = .28080 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C
 .025 .0351
 .050 .1511 .0864
 .100 .0223
 .200 -.0011 .0249 .0217
 .400 .0032
 .497 .0031
 .600 -.0197 .0784
 .631 .0062
 .698 -.0002
 .751 .0046
 .752 -.0005
 .791 .0010
 .809 .0040
 .826 .0031
 .831 -.0015
 .878 -.0005
 .900 -.0005
 .950 .0001

ALPHA (2) = 29.831 MACH (1) = 7.320 RN/L = 6.5447 Q = 10.509 P = .28020 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C
 .025 .0079
 .050 .1095 .0260
 .100 -.0082
 .200 -.0125 .0025 .0031
 .400 -.0094
 .497 -.0092
 .600 -.0185 .2311
 .631 -.0028
 .698 -.0112
 .751 -.0056
 .752 -.0117
 .791 -.0117

ARC 3.5-198 OH38 1400 ORB WING UPPER SURFACE(RT)

* (REZH06)

ALPHA (2) = 29.831 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809					-.0106
.826	-.0121				
.831		-.0117			
.878	-.0115				
.900				-.0118	
.950				-.0121	

ALPHA (3) = 40.016 MACH (1) = 7.320 RN/L = 6.9766 Q = 10.559 P = .28150 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0065			
.050			.0484	.0114	
.100					-.0041
.200		-.0007	.0023	-.0025	
.400					-.0013
.497					-.0024
.600			-.0149	.2667	
.631				.0093	
.698			-.0008		
.751					.0021
.752		-.0006			
.791				-.0004	
.809			.0017		
.826	-.0012				
.831		-.0009			
.878	-.0012				
.900				-.0008	
.950				-.0007	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 645

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH07) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.587 MACH (1) = 7.320 RN/L = 3.0596 Q = 4.8627 P = .12960 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0664			
.050		.1974	.1190	
.100				.0546
.200	.0304	.0611	.0584	
.400				.0344
.497				.0346
.600		-.0153	.0691	
.631			.0359	
.698		.0323		
.751				.0379
.752	.0313			
.791			.0336	
.809		.0401		
.826	.0306			
.831	.0306			
.878	.0310			
.900		.0326		
.950		.0319		

ALPHA (2) = 29.758 MACH (1) = 7.320 RN/L = 3.0410 Q = 4.8627 P = .12960 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0531			
.050		.1540	.0714	
.100				.0355
.200	.0299	.0470	.0486	
.400				.0323
.497				.0317
.600		-.0147	.0806	
.631			.0332	
.698		.0322		
.751				.0373
.752	.0319			
.791			.0317	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH07)

ALPHA (2) = 29.758 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809			.0399	
.826	.0312			
.831		.0310		
.878	.0315			
.900			.0322	
.950			.0311	

ALPHA (3) = 39.985 MACH (1) = 7.320 RN/L = 2.9655 Q = 4.8552 P = .12940 CPSTAG = 1.8303

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0433		
.050			.0891	.0470
.100				.0280
.200		.0326	.0379	.0322
.400				.0305
.497				.0306
.600			-.0138	.0904
.631				.0351
.698			.0323	
.751				.0367
.752		.0337		
.791				.0331
.809			.0407	
.826	.0328			
.831		.0322		
.878	.0323			
.900			.0326	
.950			.0328	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 647

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH08) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.783 MACH (1) = 7.320 RN/L = 6.9007 Q = 10.533 P = .28080 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0268
 .050 .1408 .0771
 .100 .0136
 .200 -.0094 .0171 .0127
 .400 -.0042
 .497 -.0040
 .600 -.0192 .1266
 .631 -.0001
 .698 -.0086
 .751 -.0027
 .752 -.0096
 .791 -.0075
 .809 -.0056
 .826 -.0071
 .831 -.0103
 .878 -.0097
 .900 -.0092
 .950 -.0084

ALPHA (2) = 29.517 MACH (1) = 7.320 RN/L = 7.1388 Q = 10.582 P = .28210 CPSTAG = 1.8296

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0228
 .050 .1223 .0410
 .100 .0068
 .200 .0032 .0170 .0191
 .400 .0108
 .497 .0131
 .600 -.0190 .0307
 .631 .0134
 .698 .0045
 .751 .0090
 .752 .0000
 .791 .0052

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(REZH08)

ALPHA (2) = 29.917 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809			.0079	
.826	.0046			
.831		.0039		
.878	.0039			
.900			.0043	
.950			.0048	

ALPHA (3) = 40.015 MACH (1) = 7.320 RN/L = 7.1533 Q = 10.557 P = .28150 CPSTAG = 1.8296

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0088		
.050			.0511	.0134
.100				.0072
.200	.0012	.0045	-.0004	
.400				.0109
.497				.0095
.600		-.0099	.0713	
.631			.0034	
.698		.0010		
.751				.0044
.752	.0014			
.791			.0013	
.809		.0041		
.826	.0008			
.831	.0009			
.878	.0005			
.900		.0013		
.950		.0016		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 649

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH09) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 19.851 MACH (1) = 7.320 RN/L = 3.4697 Q = 4.8937 P = .13050 CPSTAG = 1.8292

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0634
 .050 .1896 .1163
 .100 .0517
 .200 .0272 .0571 .0530
 .400 .0301
 .497 .0301
 .600 - .0152 .1414
 .631 .0360
 .698 .0293
 .751 .0347
 .752 .0268
 .791 .0278
 .809 .0365
 .826 .0270
 .831 .0268
 .878 .0276
 .900 .0292
 950 .0297

ALPHA (2) = 24.974 MACH (1) = 7.320 RN/L = 3.3076 Q = 4.8779 P = .13000 CPSTAG = 1.8296

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0550
 .050 .1645 .0892
 .100 .0412
 .200 .0266 .0489 .0471
 .400 .0308
 .497 .0299
 .600 - .0156 .1798
 .631 .0358
 .698 .0288
 .751 .0351
 .752 .0282
 .791 .0273

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH09)

ALPHA (2) = 24.974 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809		.0363
.826	.0269	
.831	.0277	
.878	.0274	
.900		.0293
.950		.0292

ALPHA (3) = 29.770 MACH (1) = 7.320 RN/L = 3.2294 Q = 4.8725 P = .12990 CPSTAG = 1.8297

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0182	
.050		.1188
.100		.0374
.200	-.0037	.0000
.400		.0141
.497		.0016
.600		-.0022
.631		-.0014
.698		-.0113
.751		.0294
.752	-.0024	-.0014
.791		-.0025
.809		.0036
.826	-.0026	
.831	-.0029	
.878	-.0030	
.900		-.0029
.950		-.0007
		-.0012
		-.0025

ALPHA (4) = 34.925 MACH (1) = 7.320 RN/L = 3.1251 Q = 4.8637 P = .12970 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0138	
.050		.0860
.100		.0263
.200	-.0031	.0081
.400		.0071
		-.0037

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 651

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH09)

ALPHA (4) = 34.925 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					.0000
.600			-.0117	.0347	
.631				-.0010	
.698			-.0025		
.751					.0023
.752		-.0013			
.791				-.0021	
.809			-.0011		
.826	-.0025				
.831		-.0027			
.878	-.0026				
.900			-.0006		
.950			.0000		

ALPHA (5) = 40.056 MACH (1) = 7.320 RN/L = 3.0130 Q = 4.8556 P = .12950 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0087			
.050			.0542	.0123	
.100					-.0066
.200		-.0016	.0031	-.0024	
.400					-.0043
.497					-.0032
.600			-.0116	.0438	
.631				-.0005	
.698			-.0020		
.751					.0026
.752		-.0007			
.791				-.0016	
.809			-.0003		
.926	-.0017				
.831		-.0022			
.878	-.0024				
.900			-.0004		
.950			-.0016		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH10) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4 100 SPDBRK = 000
 BDFLAP = 22 333 RN/L = 6.500

ALPHA (1) = 19.811 MACH (1) = 7.320 RN/L = 6.4269 Q = 10.487 P = .27960 CPSTAG = 1.8303

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0333			
.050			.1516	.0846	
.100					.0218
.200		-.0004	.0248	.0215	
.400					.0034
.497					.0030
.600			-.0178	.0242	
.631				.0044	
.698			.0007		
.751					.0058
.752		.0003			
.791				.0017	
.809			.0045		
.826	-.0008				
.831		-.0009			
.878	.0054				
.900			.0006		
.950			.0013		

ALPHA (2) = 24.900 MACH (1) = 7.320 RN/L = 6.3395 Q = 10.375 P = .27660 CPSTAG = 1.8303

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0248			
.050			.1364	.0594	
.100					.0121
.200		.0006	.0192	.0186	
.400					.0068
.497					.0075
.600			-.0166	.3473	
.631				.0183	
.698			.0024		
.751					.0067
.752		.0023			
.791				.0037	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 653

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(REZH10)

ALPHA (2) = 24.900 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809		.0066
.826	.0014	
.831	.0019	
.878	.0073	
.900		.0023
.950		.0022

ALPHA (3) = 29.722 MACH (1) = 7.320 RN/L = 6.8719 Q = 10.544 P = .28110 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0216	
.050		.1209
.100		.0400
.200	.0012	.0155
.400		.0178
.497		.0049
.600		.0043
.631		-.0119
.698		.2485
.751		.0111
.752		.0030
.791		.0071
.809		.0028
.826	.0022	
.831	.0022	
.878	.0025	
.900		.0054
.950		.0030
		.1056
		.0071

ALPHA (4) = 34.930 MACH (1) = 7.320 RN/L = 6.7978 Q = 10.532 P = .28080 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0167	
.050		.0869
.100		.0303
.200	.0034	.0120
.400		.0116
		.0073

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH10)

ALPHA (4) = 34.930 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					.0085
.600			-.0086	.0503	
.631				.0059	
.698			.0041		
.751					.0082
.752		.0049			
.791				.0041	
.809			.0079		
.826	.0035				
.831		.0038			
.878	.0040				
.900			.0042		
.950			.0035		

ALPHA (5) = 39.974 MACH (1) = 7.320 RN/L = 6.9021 Q = 10.536 P = .28090 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0127			
.050			.0546	.0172	
.100					.0054
.200		.0058	.0092	.0037	
.400					.0061
.497					.0052
.600			-.0141	.1557	
.631				.0113	
.698			.0056		
.751					.0088
.752		.0062			
.791				.0056	
.809			.0086		
.826	.0054				
.831		.0054			
.878	.0054				
.900			.0059		
.950			.0063		

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 655

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(17)

(REZH11) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BOFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.458 MACH (1) = 7.320 RN/L = 3.2597 Q = 4.8563 P = .12950 CPSTAG = 1.8296

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0382			
.050		1696	.0913	
.100				.0266
.200	.0021	.0334	.0293	
.400				.0157
.497				.0151
.600		-.0102	.1931	
.631			.0226	
.698		.0034		
.751				.0115
.752	.0021			
.791			.0081	
.809		.0114		
.826	.0010			
.831	.0029			
.878	.0234			
.900		.0046		
.950		.0044		

ALPHA (2) = 29.598 MACH (1) = 7.320 RN/L = 3.1703 Q = 4.8518 P = .12940 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0248			
.050		1254	.0437	
.100				.0082
.200	.0024	.0196	.0205	
.400				.0112
.497				.0133
.600		-.0100	.3725	
.631			.0262	
.698		.0031		
.751				.0137
.752	.0038			
.791			.0084	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH11)

ALPHA (2) = 29.598 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809		.0118
.826	.0026	
.831	.0041	
.878	.0237	
.900		.0048
.950		.0051

ALPHA (3) = 39.968 MACH (1) = 7.320 RN/L = 3.1086 Q = 4.8453 P = .12920 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0162	
.050		.0598
.100		.0198
.200	.0057	.0036
.400		.0025
.497		.0028
.600		.0083
.631		.5095
.698		.0266
.751		.0050
.752		.0109
.791	.0061	
.809		.0083
.826	.0054	.0120
.831	.0053	
.878	.0485	
.900		.0058
.950		.0061

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 657

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH12) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 19.711 MACH (1) = 7.320 RN/L = 3.4639 Q = 4.8792 P = .13010 CPSTAG = 1.8292

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .5000 .6000 .9500

X/C

.025 .0324
 .050 .1630 .0872
 .100 .0214
 .200 -.0042 .0269 .0216
 .400 -.0002
 .497 .0002
 .600 -.0024 .1218
 .631 .0060
 .698 -.0032
 .751 .0067
 .752 -.0049
 .791 .0035
 .809 -.0025
 .826 -.0057
 .831 -.0045
 .878 -.0034
 .900 -.0040
 .950 -.0036

ALPHA (2) = 24.857 MACH (1) = 7.320 RN/L = 3.3032 Q = 4.8646 P = .12970 CPSTAG = 1.8295

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .5000 .6000 .9500

X/C

.025 .0238
 .050 .1379 .0000
 .100 .0000
 .200 -.0047 .0186 .0000
 .400 .0000
 .497 .0000
 .600 .0000 .0000
 .631 .0000
 .698 .0000
 .751 .0057
 .752 -.0040
 .791 .0000

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ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH12)

ALPHA (2) = 24.857 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809			.0000	
.826	-.0043			
.831		-.0041		
.878	-.0045			
.900			.0000	
.950			.0000	

ALPHA (3) = 29.654 MACH (1) = 7.320 RN/L = 3.2124 Q = 4.8580 P = .12950 CPSTAG = 1.8297

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0184		
.050			.1200	.0379
.100				.0014
.200	-.0046	.0128	.0140	
.400				-.0004
.497				-.0007
.600		-.0017	.0419	
.631			-.0011	
.698		-.0032		
.751				.0041
.752	-.0019			
.791			.0004	
.809		-.0026		
.826	-.0040			
.831		-.0038		
.878	-.0033			
.900		-.0032		
.950		-.0037		

ALPHA (4) = 34.915 MACH (1) = 7.320 RN/L = 3.6183 Q = 4.8895 P = .13040 CPSTAG = 1.8289

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0371		
.050			.1096	.0496
.100				.0202
.200		.0208	.0311	.0297
.400				.0200

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 659

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH12)

ALPHA (4) = 34.915 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497				.0203
.600		-.0122	.6579	
.631			.0477	
.698		.0212		
.751				.0266
.752	.0213			
.791			.0240	
.809		.0304		
.826	.0209			
.831		.0210		
.878	.0211			
.900		.0216		
.950		.0213		

ALPHA (5) = 40.004 MACH (1) = 7.320 RN/L = 3.4547 Q = 4.8799 P = 13010 CPSTAG = 1.8292

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0320			
.050		.0777	.0365	
.100				.0186
.200	.0222	.0268	.0209	
.400				.0191
.497				.0197
.600		-.0119	.6783	
.631			.0455	
.698		.0215		
.751				.0259
.752	.0227			
.791			.0240	
.809		.0313		
.826	.0219			
.831		.0214		
.878	.0215			
.900		.0222		
.950		.0224		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH13) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 6.500

ALPHA (1) = 19.787 MACH (1) = 7.320 RN/L = 10.603 Q = 10.723 P = .28590 CPSTAG = 1.8271

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0234			
.050			.1388	.0730	
.100					.0095
.200		-.0134	.0122	.0097	
.400					-.0062
.497					-.0063
.600			-.0208	.1845	
.631				.0000	
.698			-.0119		
.751					-.0039
.752		-.0135			
.791				-.0020	
.809			-.0124		
.826	-.0129				
.831		-.0025			
.878	-.0057				
.900			-.0124		
.950			-.0121		

ALPHA (2) = 24.903 MACH (1) = 7.320 RN/L = 8.8010 Q = 10.676 P = .28460 CPSTAG = 1.8282

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0124			
.050			.1170	.0441	
.100					-.0007
.200		-.0142	.0052	.0053	
.400					-.0076
.497					-.0077
.600			-.0202	.1293	
.631				-.0041	
.698			-.0113		
.751					-.0053
.752		-.0122			
.791				-.0037	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 661

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH13)

ALPHA (2) = 24.903 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809			-.0116	
.826	-.0128			
.831		-.0016		
.878	-.0041			
.900			-.0113	
.950			-.0114	

ALPHA (3) = 29.753 MACH (1) = 7.320 RN/L = 7.5987 Q = 10.588 P = .28230 CPSTAG = 1.8291

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0082		
.050			.1059	.0240
.100				-.0094
.200	-.0122	.0014	.0026	
.400				-.0084
.497				-.0085
.600		-.0163	.2363	
.631			-.0010	
.698		-.0108		
.751				-.0028
.752	-.0113			
.791			-.0040	
.809		-.0095		
.826	-.0120			
.831		.0739		
.878	.0147			
.900		-.0089		
.950		-.0102		

ALPHA (4) = 34.912 MACH (1) = 7.320 RN/L = 6.5615 Q = 10.504 P = .28000 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0017		
.050			.0731	.0147
.100				-.0135
.200	-.0116	-.0031	-.0042	
.400				-.0117

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH13)

ALPHA (4) = 34.912 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					-.0116
.600			-.0164	.1490	
.631				-.0048	
.698			-.0110		
.751					-.0075
.752		-.0111			
.791				-.0092	
.809			-.0104		
.826	-.0116				
.831		.0899			
.878	.0036				
.900			-.0104		
.950			-.0112		

ALPHA (5) = 39.964 MACH (1) = 7.320 RN/L = 7.4522 Q = 10.584 P = .28220 CPSTAG = 1.8293

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0111			
.050			.0549	.0151	
.100					.0003
.200		.0031	.0066	.0014	
.400					.0026
.497					.0027
.600			-.0080	.3364	
.631				.0158	
.698			.0038		
.751					.0064
.752		.0039			
.791				.0043	
.809			.0061		
.826	.0034				
.831		.0259			
.878	.0137				
.900			.0036		
.950			.0035		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 663

ARC 3.5-198 OH38 1400 ORB WING UPPER SURFACE(RT)

(REZH14) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.415 MACH (1) = 7.320 RN/L = 2.9307 Q = 4.8235 P = .12860 CPSTAG = 1.8304

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0201
 .050 .1500 .0722
 .100 .0072
 .200 -.0180 .0121 .0082
 .400 .0035
 .497 .0035
 .600 -.0127 .1080
 .631 .0040
 .698 -.0130
 .751 .0047
 .752 -.0159
 .791 .0021
 .809 -.0082
 .826 -.0145
 .831 .0099
 .878 .0498
 .900 -.0141
 .950 -.0096

ALPHA (2) = 29.553 MACH (1) = 7.320 RN/L = 2.8998 Q = 4.8200 P = .12850 CPSTAG = 1.8305

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0068
 .050 .1067 .0223
 .100 -.0129
 .200 -.0181 -.0025 -.0011
 .400 -.0054
 .497 -.0056
 .600 -.0158 .1623
 .631 -.0012
 .698 -.0173
 .751 -.0032
 .752 -.0162
 .791 -.0023

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH14)

ALPHA (2) = 29.553 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

809					-.0151
826	-.0169				
.831		.0052			
.878	.0602				
900				-.0166	
950				-.0160	

ALPHA (3) = 39.949 MACH (1) = 7.320 RN/L = 2.9292 Q = 4.8237 P = .12860 CPSTAG = 1.8304

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0033			
.050			.0397	-.0020	
.100					-.0209
.200		-.0161	-.0129	-.0185	
.400					-.0183
.497					-.0186
.600			-.0140	.1526	
.631				-.0085	
.698			-.0168		
.751					-.0124
.752		-.0144			
.791				-.0154	
.809			-.0144		
.826	-.0174				
.831		.0254			
.878	.0870				
.900				-.0168	
.950				-.0170	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 665

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH15) (23 SEP 74)

REFERENCE DATA

SRFF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.612 MACH (1) = 7.320 RN/L = 9.7136 Q = 9.3383 P = .24900 CPSTAG = 1.8268

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0251			
.050			.1387	.0741	
.100					.0106
.200		-.0107	.0126	.0080	
.400					.0077
.497					.0075
.600			-.0156	.0953	
.631				.0075	
.698			-.0062		
.751					.0087
.752		-.0078			
.791				.0056	
.809			-.0063		
.826	-.0055				
.831		.0119			
.878	.0073				
.900			-.0062		
.950			-.0061		

ALPHA (2) = 29.623 MACH (1) = 7.320 RN/L = 8.6652 Q = 10.652 P = .28400 CPSTAG = 1.8283

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0082			
.050			.1070	.0256	
.100					-.0073
.200		-.0106	.0014	.0024	
.400					-.0006
.497					-.0005
.600			-.0193	.1001	
.631				.0032	
.698			-.0100		
.751					.0013
.752		-.0094			
.791				.0003	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH15)

ALPHA (2) = 29.623 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809		-.0097
.826	-.0093	
.831		.0089
.878	.0025	
.900		-.0096
.950		-.0098

ALPHA (3) = 40.081 MACH (1) = 7.320 RN/L = 9.5232 Q = 10.712 P = .28560 CPSTAG = 1.8277

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0147		
.050		.0578	.0178
.100			.0048
.200	.0068	.0096	.0050
.400			.0060
.497			.0062
.600		-.0166	.2623
.631			.0164
.698		.0066	
.751			.0104
.752	.0073		
.791		.0084	
.809		.0101	
.826	.0069		
.831		.0229	
.878	.0286		
.900		.0069	
.950		.0068	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 667

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH16) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = 000 RN/L = 3.000

ALPHA (1) = 19.582 MACH (1) = 7.320 RN/L = 3.2153 Q = 4 8360 P = .12890 CPSTAG = 1.8297

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0134			
.050		.1579	.0710	
.100				.0044
.200	-.0190	.0094	.0110	
.400				-.0159
.497				-.0165
.600		-.0154	.0440	
.631			-.0143	
.698		-.0172		
.751				-.0091
.752	-.0149			
.791			-.0156	
.809		-.0176		
.826	-.0195			
.831		-.0039		
.878	.0236			
.900		-.0175		
.950		-.0171		

ALPHA (2) = 24.797 MACH (1) = 7.320 RN/L = 2.9432 Q = 4.8104 P = .12820 CPSTAG = 1.8303

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0073			
.050		.1361	.0425	
.100				-.0066
.200	-.0195	.0023	.0045	
.400				-.0166
.497				-.0172
.600		-.0158	.0937	
.631			-.0122	
.698		-.0188		
.751				-.0103
.752	-.0169			
.791			-.0171	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 668

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(REZH16)

ALPHA (2) = 24.797 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809				-.0189
.826	-.0203			
.831		-.0079		
.878	.0315			
.900			-.0188	
.950			-.0191	

ALPHA (3) = 29.720 MACH (1) = 7.320 RN/L = 2.7369 Q = 4.7874 P = .12760 CPSTAG = 1.8309

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0027		
.050			.1068	.0206
.100				-.0158
.200		-.0179	-.0045	-.0007
.400				.0000
.497				.0000
.600			-.0154	.3764
.631				.0005
.698			-.0176	
.751				-.0118
.752		-.0158		
.791			-.0169	
.809			-.0178	
.826	-.0189			
.831		-.0081		
.878	.0546			
.900			-.0185	
.950			-.0190	

ALPHA (4) = 34.753 MACH (1) = 7.320 RN/L = 3.5371 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0018		
.050			.0722	.0130
.100				-.0181
.200		-.0167	-.0065	-.0076
.400				-.0181

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 669

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH16)

ALPHA (4) = 34.753 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0182
.600			-.0132	.2746	
.631				-.0021	
.698			-.0163		
.751					-.0090
.752		-.0147			
.791				-.0131	
.809			-.0142		
.826	-.0174				
.831		.0151			
.878	-.0153				
.900			-.0147		
.950			-.0139		

ALPHA (5) = 48.717 MACH (1) = 7.320 RN/L = 3.1270 Q = 4.8359 P = .12893 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0121			
.050			.0010	-.0145	
.100					-.0095
.200		-.0109	-.0107	-.0105	
.400					-.0090
.497					-.0095
.600			-.0072	.4954	
.631				.0116	
.698			-.0104		
.751					-.0049
.752		-.0101			
.791				-.0070	
.809			-.0093		
.826	-.0108				
.831		.0081			
.878	-.0104				
.900			-.0090		
.950			-.0084		

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ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH17) (26 JUL 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = -1.000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.440 MACH (1) = 7.320 RN/L = 3.4545 Q = 4.8632 P = .12970 CPSTAG = 1.8292

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0146
 .050 .1553 .0721
 .100 .0060
 .200 -.0187 .0119 .0097
 .400 -.0130
 .497 -.0127
 .600 -.0148 .0505
 .631 -.0125
 .698 -.0173
 .751 -.0078
 .752 -.0168
 .791 -.0146
 .809 -.0165
 .826 -.0193
 .831 .0119
 .878 -.0183
 .900 -.0172
 .950 -.0163

ALPHA (2) = 29.665 MACH (1) = 7.320 RN/L = 3.1434 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0016
 .050 .1090 .0222
 .100 .0000
 .200 -.0190 -.0033 .0008
 .400 .0000
 .497 .0000
 .600 .0000 .0590
 .631 .0000
 .698 -.0189
 .751 -.0098
 .752 -.0172
 .791 .0000

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 671

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH17)

ALPHA (2) = 29.665 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C
 .809
 .826 -.0195
 .831 .0039
 .878 -.0185
 .900 -.0183
 .950 -.0183

ALPHA (3) = 39.966 MACH (1) = 7.320 RN/L = 3.0431 Q = 4.8300 P = .12880 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C
 .025
 .050 -.0095
 .100 .0378 -.0062
 .200 -.0164 -.0124 -.0156 -.0183
 .400 -.0172
 .497 -.0177
 .600 -.0132 .1082
 .631 -.0097
 .698
 .751 -.0170
 .752 -.0136
 .791 -.0151
 .809
 .826 -.0168
 .831 .0013
 .878 -.0167
 .900 -.0185
 .950 -.0178

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH18) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = -1.000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 14.887 MACH (1) = 10.290 RN/L = 1.7172 Q = 2.3586 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0482			
.050			.1504	.1189	
.100					.0370
.200		.0014	.0345	.0344	
.400					.0070
.497					.0013
.600			-.0013	.1476	
.631				.0123	
.698			-.0004		
.751					.0057
.752		-.0016			
.791				.0030	
.809			-.0013		
.826	-.0017				
.831		.0039			
.878	.0104				
.900			-.0017		
.950			-.0025		

ALPHA (2) = 19.668 MACH (1) = 10.290 RN/L = 1.6981 Q = 2.3561 P = .31800-01 CPSTAG = 1.8416

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0368			
.050			.1180	.0837	
.100					.0229
.200	-.0000	.0248	.0217		
.400					.0014
.497					-.0014
.600			-.0009	.2369	
.631				.0149	
.698			-.0001		
.751					.0056
.752	-.0005				
.791				.0018	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 573

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH18)

ALPHA (2) = 19.668 MACH (1) = 10.290

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809		.0003
.826	-.0011	
.831	.0046	
.878	.0060	
.900		.0007
.950		.0013

ALPHA (3) = 24.801 MACH (1) = 10.290 RN/L = 1.6642 Q = 2.3516 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0283	
.050		.1198
.100		.0578
.200	-.0052	.0194
.400		.0152
.497		-.0047
.600		-.0053
.631		1.8301
.698		.2568
.751		.0113
.752	-.0043	
.791		-.0031
.809		.0057
.826	-.0054	
.831	.0087	
.878	.0185	
.900		.0001
.950		-.0032
		-.0027
		-.0037

ALPHA (4) = 29.651 MACH (1) = 10.290 RN/L = 1.6562 Q = 2.3513 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0223	
.050		.1076
.100		.0409
.200	-.0050	.0144
.400		.0127
		-.0057

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH18)

ALPHA (4) = 29.651 MACH (1) = 10.290

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					
.600			1.8318	.4225	-.0054
.631				.0190	
.698			-.0023		
.751					.0042
.752		-.0031			
.791			-.0016		
.809			-.0031		
.826	-.0042				
.831		.0033			
.878	.0123				
.900			-.0035		
.950			-.0035		

ALPHA (5) = 34.915 MACH (1) = 10.290 RN/L = 1.6150 Q = 2.3432 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0162			
.050			.0891	.0288	
.100					-.0008
.200		-.0047	.0089	.0090	
.400					-.0053
.497					-.0050
.600			1.8384	.5751	
.631				.0257	
.698			-.0029		
.751					.0026
.752		-.0024			
.791			-.0000		
.809			-.0035		
.826	-.0036				
.831		.0016			
.878	.0123				
.900			-.0034		
.950			-.0033		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 675

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH18)

ALPHA (6) = 40.049 MACH (1) = 10.290 RN/L = 1.6537 Q = 2.3492 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0146			
.050			.0661	.0199	
.100					.0007
.200		.0001	.0074	.0028	
.400					.0001
.497					- .0007
.600			1.8312	.3415	
.631				.0212	
.698			.0015		
.751					.0080
.752		.0009			
.791				.0042	
.809			.0016		
.826	.0001				
.831		.0069			
.878	.0183				
.900			.0018		
.950			.0023		

ALPHA (7) = 44.248 MACH (1) = 10.290 PN/L = 1.5966 Q = 2.2032 P = .29700-01 CPSTAG = 1.8415

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0124			
.050			.0435	.0060	
.100					.0030
.200		.0049	.0044	.0057	
.400					.0035
.497					.0029
.600			1.9569	.0680	
.631				.0089	
.698			.0005		
.751					.0141
.752		.0044			
.791				.0085	
.809			.0057		
.826	.0046				
.831		.0206			
.878	.0311				
.900			.0058		
.950			.0056		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH19) (23 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 1.700

ALPHA (1) = 19.710 MACH (1) = 10.290 RN/L = 1.5884 Q = 2.3366 P = .31500-01 CPSTAG = 1.8422

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0385			
.050			.1216	.0836	
.100					.0225
.200		-.0021	.0241	.0188	
.400					-.0011
.497					-.0042
.600			-.0009	.0476	
.631				.0024	
.698			-.0017		
.751					.0014
.752		-.0033			
.791				-.0016	
.809			-.0025		
.826	-.0039				
.831		.0014			
.878	-.0038				
.900			-.0030		
.950			-.0038		

ALPHA (2) = 24.815 MACH (1) = 10.290 RN/L = 1.5694 Q = 2.3326 P = .31500-01 CPSTAG = 1.8423

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0280			
.050			.1064	.0578	
.100					.0135
.200		-.0031	.0178	.0121	
.400					-.0048
.497					-.0051
.600			.0005	.0803	
.631				.0020	
.698			-.0022		
.751					.0019
.752		-.0019			
.791				-.0031	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 677

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH19)

ALPHA (2) = 24.815 MACH (1) = 10.290

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809				
.826	-.0040			
.831		.0044		
.878	-.0021			
.900			-.0036	
.950			-.0037	

ALPHA (3) = 29.743 MACH (1) = 10.290 RN/L = 1.7153 Q = 2.3603 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0231		
.050			.0996	.0408
.100				.0060
.200	-.0040	.0145	.0115	
.400				-.0049
.497				-.0040
.600			-.0008	.7133
.631				.0296
.698			-.0022	
.751				.0026
.752	-.0013			
.791			.0006	
.809			-.0019	
.826	-.0030			
.831		.0044		
.878	-.0027			
.900			-.0020	
.950			-.0028	

ALPHA (4) = 34.884 MACH (1) = 10.290 RN/L = 1.7110 Q = 2.3591 P = .31800-01 CPSTAG = 1.8415

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0179		
.050			.0854	.0273
.100				.0001
.200	-.0035	.0088	.0068	
.400				-.0049

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ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH19)

ALPHA (4) = 34.884 MACH (1) = 10.290

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					-.0040
.600			.0009	.9009	
.631				.0367	
.698			-.0013		
.751					.0026
.752		-.0009			
.791				.0013	
.809			-.0022		
.826	-.0019				
.831		.0047			
.878	-.0020				
.900			-.0019		
.950			-.0023		

ALPHA (5) = 39.975 MACH (1) = 10.290 RN/L = 1.6185 Q = 2.3416 P = .3160Q-01 CPSTAG = 1.8420

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0122			
.050			.0606	.0150	
.100					-.0030
.200		-.0023	.0027	-.0010	
.400					-.0030
.497					-.0024
.600			-.0235	.0948	
.631				.0040	
.698			-.0017		
.751					.0086
.752		.0008			
.791				.0044	
.809			.0019		
.826	-.0019				
.831		.0170			
.878	.0009				
.900			.0018		
.950			.0003		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 679

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH19)

ALPHA (6) = 44.187 MACH (1) = 10.290 RN/L = 1.6079 Q = 2.3391 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0077			
.050			.0409	.0067	
.100					-.0021
.200		-.0014	-.0007	-.0035	
.400					.0023
.497					.0021
.600			-.0241	.1345	
.631				.0079	
.698			-.0005		
.751					.0051
.752		.0003			
.791				.0020	
.809			.0008		
.828	-.0001				
.831		.0088			
.878	.0031				
.900			.0010		
.950			.0009		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 680

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH20) (23 SEP 74)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
LREF = 1290.3000 IN. YMRP = .0000
BREF = 1290.3000 IN. ZMRP = .0000
SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
ELEV-R = .000 SPDBRK = .000
BDFLAP = .000 RN/L = 1.700

ALPHA (1) = 19.744 MACH (1) = 10.290 RN/L = 1.3190 Q = 2.2869 P = .30900-01 CPSTAG = 1.8442

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B 3000 .4000 .6000 .8000 .9500

X/C

.025 .0325
.050 .1131 .0762
.100 .0154
.200 -.0054 .0166 .0153
.400 -.0081
.497 -.0097
.600 -.0025 .0573
.631 -.0014
.698 -.0077
.751 .0004
.752 -.0048
.791 -.0038
.809 -.0050
.826 -.0090
.831 .0112
.878 .0100
.900 -.0043
.950 -.0038

ALPHA (2) = 24.851 MACH (1) = 10.290 RN/L = 1.3293 Q = 2.2890 P = .30900-01 CPSTAG = 1.8441

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0210
.050 .1015 .0504
.100 .0058
.200 -.0039 .0103 .0076
.400 -.0053
.497 -.0069
.600 -.0017 .1281
.631 .0037
.698 -.0059
.751 .0003
.752 -.0023
.791 -.0040

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 681

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH20)

ALPHA (2) = 24.851 MACH (1) = 10.290

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809					
.826	-.0068				
.831		.0070			
.878	.0042				
.900					
.950					

-.0047

-.0052

-.0059

ALPHA (3) = 29.725 MACH (1) = 10.290 RN/L = 1.6585 Q = 2.3483 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0299			
.050			.1054	.0464	
.100					.0097
.200	-.0013	.0181	.0143		
.400					-.0018
.497					-.0013
.600		.0006	.1117		
.631			.0064		
.698		.0002			
.751					.0063
.752		.0012			
.791			.0021		
.809		.0002			
.826	-.0006				
.831		.0054			
.878	.0044				
.900					
.950					

-.0007

-.0004

ALPHA (4) = 34.881 MACH (1) = 10.290 RN/L = 1.6151 Q = 2.3413 P = .31600-01 CPSTAG = 1.8421

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0233			
.050			.0918	.0328	
.100					.0023
.200	-.0003	.0123	.0110		
.400					-.0015

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH20)

ALPHA (4) = 34.881 MACH (1) = 10.290

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0012
.600			.0023	.2063	
.631				.0114	
.698			.0021		
.751					.0069
.752		.0017			
.791				.0027	
.809			.0008		
.826	.0005				
.831		.0064			
.878	.0102				
.900			.0000		
.950			.0007		

ALPHA (5) = 39.932 MACH (1) = 10.290 RN/L = 1.6520 Q = 2.3491 P = .31700-01 CPSTAG = 1.8418

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0175			
.050			.0678	.0197	
.100					-.0014
.200		.0012	.0071	.0011	
.400					-.0025
.497					-.0025
.600			.0101	.1861	
.631				.0110	
.698			.0008		
.751					.0147
.752		.0030			
.791				.0101	
.809			.0055		
.826	.0010				
.831		.0272			
.878	.0200				
.900			.0049		
.950			.0051		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 683

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH20)

ALPHA (6) = 44.136 MACH (1) = 10.290 RN/L = 1.6234 Q = 2.3465 P = .31700-01 CPSTAG = 1.8420

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0135			
.050			.0460	.0042	
.100					-.0031
.200		.0032	.0041	.0030	
.400					.0032
.497					.0027
.600			.0082	.2951	
.631				.0193	
.698			.0035		
.751					.0094
.752		.0032			
.791				.0056	
.809			.0037		
.826	.0029				
.831		.0170			
.878	.0210				
.900			.0035		
.950			.0050		

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DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 684

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT)

(REZH30) (27 SEP 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.132 MACH (1) = 7.320 RN/L = 3.3556 Q = 4.8560 P = .12950 CPSTAG = 1.8294

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0326			
.050			.1653	.0875	
.100					.0219
.200		-.0043	.0280	.0235	
.400					.0057
.497					.0057
.600			-.0129	.4380	
.631				.0230	
.698			-.0024		
.751					.0048
.752		-.0026			
.791				.0028	
.809			-.0019		
.826	-.0042				
.831		.0201			
.878	-.0027				
.900			-.0029		
.950			-.0017		

ALPHA (2) = 24.590 MACH (1) = 7.320 RN/L = .81500-01 Q = .96300-01 P = .26000-02 CPSTAG = 1.8280

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0000			
.050			.0000	.0000	
.100					.0000
.200		.0000	.0000	.0000	
.400					.0000
.497					.0000
.600			.0000	.0000	
.631				.0000	
.698			.0000		
.751					.0000
.752		.0000			
.791				.0000	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 685

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH30)

ALPHA (2) = 24.590 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.809			.0000		
.826	.0000				
.831		.0000			
.878	.0000				
.900			.0000		
.950			.0000		

ALPHA (3) = 35.000 MACH (1) = 7.320 RN/L = 3.4389 Q = 4.8594 P = .12960 CPSTAG = 1.8292

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0162			
.050			.1248	.0452	
.100					-.0001
.200		-.0138	.0084	.0070	
.400					-.0102
.497					-.0111
.600			-.0126	.7900	
.631				.0222	
.698			-.0132		
.751					-.0067
.752		-.0142			
.791				-.0080	
.809			-.0129		
.826	-.0145				
.831		-.0034			
.878	-.0140				
.900			-.0134		
.950			-.0136		

ALPHA (4) = 39.891 MACH (1) = 7.320 RN/L = 3.0862 Q = 4.8333 P = .12890 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		.0089			
.050			.0531	.0117	
.100					-.0041
.200		-.0018	.0026	-.0032	
.400					-.0043

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH30)

ALPHA (4) = 39.891 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					-.0047
.600			-.0104	1.0199	
.631				.0423	
.698			-.0015		
.751					.0049
.752		.0010			
.791				.0041	
.809			.0012		
.826	-.0022				
.831		.0163			
.878	-.0010				
.900			-.0001		
.950			-.0001		

ALPHA (5) = 44.091 MACH (1) = 7.320 , RN/L = 2.9532 Q = 4.8184 P = .12850 CPSTAG = 1.8303

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0041			
.050			.0323	.0040	
.100					.0004
.200		.0001	-.0012	-.0030	
.400					-.0019
.497					-.0013
.600			-.0093	1.1065	
.631				.0462	
.698			-.0005		
.751					.0044
.752		.0004			
.791				.0045	
.809			.0025		
.826	-.0005				
.831		.0082			
.878	-.0004				
.900			.0000		
.950			-.0001		

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 687

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT)

(REZH30)

ALPHA (6) = 48.692 MACH (1) = 7.320 RN/L = 3.2671 Q = 4.8464 P = .12920 CPSTAG = 1.8296

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 9500

X/C

.025	-.0091			
.050		.0035	-.0125	
.100				-.0077
.200	-.0090	-.0094	-.0087	
.400				-.0076
.497				-.0070
.600		-.0078	1.2601	
.631			.0564	
.698		-.0087		
.751				-.0055
.752	-.0084			
.791			-.0048	
.809		-.0051		
.826	-.0090			
.831	-.0025			
.878	-.0095			
.900		-.0073		
.950		-.0069		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH31) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 15.667 RN/L = 6.500

ALPHA (1) = 19.585 MACH (1) = 7.320 RN/L = 8.9930 Q = 10.647 P = .28390 CPSTAG = 1.8280

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0192
 .050 .1328 .0675
 .100 .0043
 .200 -.0190 .0066 .0027
 .400 -.0136
 .497 -.0140
 .600 -.0193 .0395
 .631 -.0122
 .698 -.0178
 .751 -.0107
 .752 -.0189
 .791 -.0126
 .809 -.0170
 .826 -.0196
 .831 -.0129
 .878 -.0188
 .900 -.0182
 .950 -.0173

ALPHA (2) = 29.712 MACH (1) = 7.320 RN/L = 7.8529 Q = 10.574 P = .28190 CPSTAG = 1.8291

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0024
 .050 .1013 .0203
 .100 -.0152
 .200 -.0192 -.0041 -.0035
 .400 -.0160
 .497 -.0158
 .600 -.0192 .0544
 .631 -.0153
 .698 -.0180
 .751 -.0110
 .752 -.0179
 .791 -.0157

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 689

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH31)

ALPHA (2) = 29.712 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809 -.0182

.826 -.0187

.831 -.0134

.878 -.0185

.900 -.0182

.950 -.0184

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(REZH32) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.0370 Q = 4.8301 P = .12878 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0358			
.050		.1813	.1130	
.100				.0223
.200	-.0157	.0216	.0206	
.400				.0142
.497				.0148
.600		.0268	.0436	
.631			.0101	
.698		-.0109		
.751				.0152
.752	-.0144			
.791			.0067	
.809		-.0133		
.826	-.0109			
.831		-.0005		
.878	.0103			
.900		.0026		
.950		.0103		

ALPHA (2) = 19.534 MACH (1) = 7.320 RN/L = 4.6228 Q = 4.9185 P = .13110 CPSTAG = 1.8274

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0223			
.050		.1436	.0736	
.100				.0097
.200	-.0159	.0132	.0111	
.400				.0063
.497				.0060
.600		-.0129	.0130	
.631			.0024	
.698		-.0080		
.751				.0068
.752	-.0149			
.791			.0045	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 691

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH32)

ALPHA (2) = 19.534 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809
.826
.931
.878
.900
.950
-.0123
-.0134
-.0111
-.0100
-.0115
-.0105

ALPHA (3) = 24.445 MACH (1) = 7.320 PN/L = 2.8827 Q = 4.8115 P = .12830 CPSTAG = 1.8305

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025
.050
.100
.200
.400
.497
.600
.631
.698
.751
.752
.791
.809
.826
.831
.878
.900
.950
.0136
.1246
.0466
-.0016
-.0158
.0054
.0028
.0012
.0008
-.0101
.0659
-.0001
-.0124
.0026
-.0144
.0024
-.0129
-.0139
-.0007
-.0138
-.0129
-.0127

ALPHA (4) = 29.707 MACH (1) = 7.320 RN/L = 4.1930 Q = 4.9019 P = .13070 CPSTAG = 1.8280

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025
.050
.100
.200
.400
.0069
.1046
.0249
-.0112
-.0156
-.0007
.0008
-.0043

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH32)

ALPHA (4) = 29.707 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					
.600			-.0160	.0250	-.0043
.631				-.0053	
.698			-.0149		
.751					-.0013
.752		-.0154			
.791				-.0033	
.809			-.0152		
.826	-.0144				
.831		-.0102			
.878	-.0152				
.900			-.0141		
.950			-.0137		

ALPHA (5) = 34.863 MACH (1) = 7.320 RN/L = 3.8394 Q = 4.8822 P = .13020 CPSTAG = 1.8285

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0005			
.050			.0766	.0114	
.100					-.0168
.200		-.0159	-.0065	-.0057	
.400					-.0114
.497					-.0122
.600			-.0157	.0322	
.631				-.0119	
.698			-.0148		
.751					-.0044
.752		-.0144			
.791				-.0093	
.809			-.0179		
.826	-.0152				
.831		-.0058			
.878	-.0149				
.900			-.0174		
.950			-.0181		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 693

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(REZH32)

ALPHA (6) = 39.964 MACH (1) = 7.320 RN/L = 3.0030 Q = 4.8249 P = .12860 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025					
.050		-.0052			
.100			.0440	-.0006	
.200		-.0152	-.0108	-.0163	-.0189
.400					-.0161
.497					-.0154
.600			-.0140	.0660	
.631				-.0119	
.698			-.0148		
.751					-.0115
.752		-.0140			
.791				-.0136	
.809			-.0146		
.826	-.0149				
.831		-.0074			
.878	-.0147				
.900			-.0146		
.950			-.0144		

ALPHA (7) = 44.152 MACH (1) = 7.320 RN/L = 2.9492 Q = 4.8211 P = .12850 CPSTAG = 1.8303

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025					
.050		-.0084			
.100			.0197	-.0089	
.200		-.0136	-.0145	-.0174	-.0163
.400					-.0154
.497					-.0148
.600			-.0108	.1344	
.631				-.0081	
.698			-.0139		
.751					-.0092
.752		-.0132			
.791				-.0126	
.809			-.0128		
.826	-.0140				
.831		-.0048			
.878	-.0131				
.900			-.0131		
.950			-.0133		

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(REZH32)

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 2.9163 Q = 4.8174 P = .12840 CPSTAG = 1.8304

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0000			
.050		.0008	-.0153	
.100				-.0112
.200	.0000	-.0143	-.0151	
.400				.0000
.497				-.0121
.600		.0318	.1262	
.631			-.0031	
.698		-.0137		
.751				-.0010
.752	-.0108			
.791			-.0104	
.809		-.0035		
.826	-.0136			
.831		-.0043		
.878	.0000			
.900			-.0127	
.950			-.0120	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 695

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH33) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BRP = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = -40.117
 ELEV-R = -39.717 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.334 MACH (1) = 7.320 RN/L = 10.452 Q = 10.495 P = .27980 CPSTAG = 1.8270

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0206		
.050			.1352	.0698
.100				.0062
.200		-.0152	.0086	.0041
.400				.0025
.497				.0019
.600			-.0112	.1036
.631				.0044
.698			-.0107	
.751				.0044
.752		-.0124		
.791			-.0003	
.809			-.0105	
.826	-.0113			
.831		.0085		
.878	-.0112			
.900			-.0096	
.950			-.0104	

ALPHA (2) = 24.599 MACH (1) = 7.320 RN/L = 7.1836 Q = 10.551 P = .28130 CPSTAG = 1.8295

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0124		
.050			.1158	.0432
.100				-.0038
.200		-.0145	.0028	-.0005
.400				-.0002
.497				-.0008
.600			-.1850	.0579
.631				.0008
.698			-.0122	
.751				.0028
.752		-.0129		
.791			.0000	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH33)

ALPHA (2) = 24.599 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809				
.826	-.0121			-.0130
.831		-.0061		
.878	-.0022			
.900			-.0125	
.950			-.0122	

ALPHA (3) = 31.394 MACH (1) = 7.320 RN/L = 6.6944 Q = 10.530 P = .28080 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0009		
.050			.0735	.0123
.100				-.0167
.200		-.0143	-.0068	-.0076
.400				-.0119
.497				-.0115
.600			-.0498	.0349
.631				-.0103
.698			-.0137	
.751				-.0056
.752		-.0134		
.791			-.0085	
.809			-.0077	
.826	-.0141			
.831		-.0095		
.878	-.0077			
.900			-.0132	
.950			-.0131	

ALPHA (4) = 39.927 MACH (1) = 7.320 RN/L = 8.6683 Q = 10.628 P = .28330 CPSTAG = 1.8283

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0071		
.050			.0373	-.0030
.100				-.0175
.200		-.0101	-.0110	-.0169
.400				-.0168

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 697

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH33)

ALPHA (4) = 39.927 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0165
.600			-.0152	.1666	
.631				-.0064	
.698			-.0147		
.751					-.0099
.752		-.0131			
.791				-.0127	
.809			-.0109		
.826	-.0149				
.831		.0027			
.878	-.0144				
.900			-.0135		
.950			-.0141		

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH34) (11 NOV 75)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12.167 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = 3.4660 Q = 4.6953 P = 12518 CPSTAG = 1.8292

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0454			
.050		.1850	.1199	
.100				.0294
.200	-.0077	.0294	.0287	
.400				.0143
.497				-.0044
.600		-.0156	.0269	
.631			-.0016	
.698		-.0033		
.751				.0026
.752	.0170			
.791			.0136	
.809		-.0036		
.826	-.0103			
.831	.0218			
.878	.0331			
.900		.0176		
.950		.0170		

ALPHA (2) = 19.440 MACH (1) = 7.320 RN/L = 3.5353 Q = 4.8677 P = .12980 CPSTAG = 1.8291

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0200			
.050		.1464	.0713	
.100				.0076
.200	-.0173	.0128	.0084	
.400				-.0135
.497				-.0127
.600		-.0156	.2679	
.631			-.0014	
.698		-.0153		
.751				-.0054
.752	-.0169			
.791			-.0079	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 699

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH34)

ALPHA (2) = 19.440 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809					
.826	-.0181				
.831		.0164			
.878	-.0156				
.900			-.0147		
.950			-.0134		

ALPHA (3) = 24.719 MACH (1) = 7.320 RN/L = 3.0619 Q = 4.8245 P = .12860 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0197			
.050			.1287	.0511	
.100					.0034
.200		-.0141	.0098	.0072	
.400					-.0075
.497					-.0077
.600			-.0158	.2158	
.631				.0005	
.698			-.0107		
.751					-.0044
.752		-.0119			
.791				-.0043	
.809			-.0107		
.826	-.0125				
.831		-.0088			
.878	.0161				
.900			-.0096		
.950			-.0104		

ALPHA (4) = 29.492 MACH (1) = 7.320 RN/L = 3.1055 Q = 4.8345 P = .12890 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0044			
.050			.1047	.0238	
.100					-.0120
.200		-.0174	-.0017	-.0009	
.400					-.0150

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT)

(REZH34)

ALPHA (4) = 29.492 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					-.0149
.600			-.0156	.3725	
.631				.0005	
.698			-.0164		
.751					-.0073
.752		-.0157			
.791				-.0096	
.809			-.0152		
.826	-.0177				
.831		.0109			
.878	-.0161				
.900			-.0149		
.950			-.0153		

ALPHA (5) = 34.820 MACH (1) = 7.320 RN/L = 3.1342 Q = 4.8322 P = .12880 CPSTA0 = 1.8299

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0070			
.050			.0827	.0178	
.100					-.0125
.200		-.0113	-.0012	-.0019	
.400					-.0108
.497					-.0112
.600			-.0154	.2861	
.631				.0016	
.698			-.0106		
.751					-.0074
.752		-.0099			
.791				-.0085	
.809			-.0110		
.826	-.0113				
.831		-.0049			
.878	.0263				
.900			-.0106		
.950			-.0110		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 701

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(REZH34)

ALPHA (6) * 39.895 MACH (1) * 7.320 RN/L * 2.7598 Q * 4.7956 P * .12790 CPSTAG * 1.8308

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	-.0069			
.050		.0408	-.0021	
.100				-.0183
.200	-.0150	-.0111	-.0171	
.400				-.0176
.497				-.0176
.600		-.0151	.5833	
.631			.0095	
.698		-.0159		
.751				-.0099
.752	-.0136			
.791			-.0114	
.809		-.0145		
.826	-.0161			
.831		.0052		
.878	-.0155			
.900		-.0147		
.950		-.0138		

ALPHA (7) * 44.264 MACH (1) * 7.320 RN/L * 3.0057 Q * 4.8185 P * .12850 CPSTAG * 1.8302

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	-.0018			
.050		.0253	-.0030	
.100				-.0110
.200	-.0083	-.0101	-.0136	
.400				-.0093
.497				-.0104
.600		-.0113	.5141	
.631			.0133	
.698		-.0091		
.751				-.0050
.752	-.0095			
.791			-.0077	
.809		-.0088		
.826	-.0097			
.831		-.0048		
.878	.0150			
.900		-.0087		
.950		-.0082		

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ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(RE7H34)

ALPHA (8) = 50.000 MACH (1) = 7.320 RN/L = 3.2779 Q = 4.8493 P = .12930 CPSTAG = 1.8296

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0034			
.050			.0092	-.0013	
.100					-.0008
.200		-.0022	-.0003	.0018	
.400					.0009
.497					.0008
.600			-.0245	.0296	
.631				.0025	
.698			.0188		
.751					.0030
.752		-.0017			
.791				.0026	
.809			.0110		
.826	-.0019				
.831		.0063			
.878	.0100				
.900			.0153		
.950			.0010		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 703

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH35) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = .000
 ELEV-R = .000 SPDBRK = 41.533
 BDFLAP = 15.667 RN/L = 3.000

ALPHA (1) = 19.261 MACH (1) = 7.320 RN/L = 4.0265 Q = 4.8972 P = 13065 CPSTAG = 1.8282

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0202			
.050		.1471	.0741	
.100				.0082
.200	-.0153	.0131	.0083	
.400				-.0133
.497				-.0130
.600		-.0165	.1158	
.631			-.0063	
.698		-.0150		
.751				-.0071
.752	-.0138			
.791			-.0115	
.809		-.0152		
.826	-.0168			
.831	.0021			
.878	-.0154			
.900		-.0157		
.950		-.0147		

ALPHA (2) = 24.886 MACH (1) = 7.320 RN/L = 3.1332 Q = 4.8353 P = 12890 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0104			
.050		.1193	.0433	
.100				-.0047
.200	-.0182	.0042	.0010	
.400				-.0149
.497				-.0149
.500		-.0172	.0288	
.631			-.0141	
.698		-.0169		
.731				-.0097
.752	-.0153			
.791			-.0165	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH35)

ALPHA (2) = 24.886 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809				-.0180
.826	-.0176			
.831		-.0073		
.878	-.0179			
.900			-.0181	
.950			-.0181	

ALPHA (3) = 29.509 MACH (1) = 7.320 RN/L = 3.3563 Q = 4.8510 P = .12930 CPSTAG = 1.8294

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0012		
.050			.1027	.0193
.100				-.0167
.200	-.0197	-.0050	-.0051	
.400				-.0191
.497				-.0201
.600		-.0131	.0943	
.631			-.0131	
.698		-.0199		
.751				-.0103
.752	-.0155			
.791			-.0162	
.809		-.0183		
.826	-.0205			
.831		.0075		
.878	-.0184			
.900			-.0184	
.950			-.0185	

ALPHA (4) = 34.843 MACH (1) = 7.320 RN/L = 3.1755 Q = 4.8410 P = .12910 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	-.0057			
.050		.0702	.0079	
.100				-.0190
.200	-.0178	-.0094	-.0133	
.400				-.0207

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 705

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH35)

ALPHA (4) = 34.843 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0204
.600			-.0132	.0949	
.631				-.0110	
.698			-.0189		
.751					-.0099
.752		-.0142			
.791				-.0149	
.809			-.0167		
.825	-.0186				
.831		.0075			
.878	-.0172				
.900			-.0178		
.950			-.0170		

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9972 Q = 4.8184 P = .12850 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0102			
.050			.0368	-.0058	
.100					-.0164
.200		-.0158	-.0130	-.0164	
.400					-.0157
.497					-.0164
.600			-.0133	.1868	
.631				-.0027	
.698			-.0157		
.751					-.0099
.752		-.0116			
.791				-.0125	
.809			-.0147		
.825	-.0170				
.831		.0004			
.878	-.0158				
.900			-.0147		
.950			-.0149		

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 706

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(REZH35)

ALPHA (6) = 44.132 MACH (1) = 7.320 RN/L = 3.3506 Q = 4.8544 P = .12940 CPSTAG = 1.8294

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025					
.050		-.0093			
.100			.0197	-.0095	
.200					-.0145
.400		-.0140	-.0134	-.0157	
.497					-.0138
.600			-.0147	.2402	
.631				.0014	
.698			-.0137		
.751					-.0088
.752		-.0110			
.791				-.0116	
.809			-.0140		
.826	-.0142				
.831		.0030			
.878	-.0142				
.900			-.0131		
.950			-.0129		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 707 *

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH36) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 3.000

ALPHA (1) = 14.333 MACH (1) = 7.320 RN/L = 2.2577 Q = 4.7094 P = .12560 CPSTAG = 1.8325

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0139			
.050		.1783	.0982	
.100				.0060
.200	-.0340	.0077	.0078	
.400				-.0283
.497				-.0321
.600		-.0237	.1837	
.631			-.0221	
.698		-.0323		
.751				-.0302
.752	-.0348			
.791			-.0338	
.809		-.0340		
.826	-.0349			
.831		-.0274		
.878	-.0340			
.900		-.0334		
.950		-.0332		

ALPHA (2) = 24.838 MACH (1) = 7.320 RN/L = 2.6220 Q = 4.7800 P = .12740 CPSTAG = 1.8312

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0095			
.050		.1167	.0442	
.100				-.0045
.200	-.0198	.0028	-.0001	
.400				-.0170
.497				-.0166
.600		-.0164	.1299	
.631			-.0106	
.698		-.0192		
.751				-.0129
.752	-.0168			
.791			-.0185	

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH36)

ALPHA (2) = 24.838 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500 -

X/C

.809				-.0190
.826	-.0192			
.831		-.0116		
.878	-.0191			
.900			-.0195	
.950			-.0183	

ALPHA (3) = 29.492 MACH (1) = 7.320 RN/L = 3.2525 Q = 4.8481 P = .12930 CPSTAG = 1.8296

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0135		
.050			.1108	.0316
.100				-.0051
.200		-.0117	.0052	.0049
.400				-.0097
.497				-.0088
.600			-.0131	.1050
.631				-.0062
.698			-.0115	
.751				-.0022
.752		-.0091		
.791				-.0079
.809			-.0095	
.826	-.0113			
.831		.0040		
.878	-.0100			
.900			-.0101	
.950			-.0100	

ALPHA (4) = 44.247 MACH (1) = 7.320 RN/L = 2.4385 Q = 4.7464 P = .12650 CPSTAG = 1.8318

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0276		
.050			.0004	-.0273
.100				-.0356
.200		-.0321	-.0328	-.0378
.400				-.0344

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 709

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH36)

ALPHA (4) = 44.247 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B	.3000	.4000	.6000	.8000	.9500
X/C					
.497					-.0335
.600			-.0234	.8826	
.631				.0011	
.698			-.0337		
.751					-.0298
.752		-.0321			
.791				-.0316	
.809			-.0340		
.826	-.0323				
.831		-.0303			
.878	-.0330				
.900			-.0337		
.950			-.0335		

ALPHA (5) = 48.639 MACH (1) = 7.320 RN/L = 3.1714 Q = 4.8395 P = .12900 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0051			
.050			.0077	-.0080	
.100					-.0042
.200		-.0046	-.0056	-.0060	
.400					-.0046
.497					-.0042
.600			-.0079	.3359	
.631				.0109	
.698			-.0044		
.751					.0002
.752		-.0041			
.791				-.0023	
.809			-.0014		
.826	-.0048				
.831		.0049			
.878	-.0038				
.900			-.0031		
.950			-.0029		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH37) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = 22.333 RN/L = 5.500

ALPHA (1) = 14.838 MACH (1) = 7.320 RN/L = 4.6737 Q = 10.211 P = .27220 CPSTAG = 1.8329

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0340
 .050 .1821 .1114
 .100 .0216
 .200 -.0175 .0213 .0194
 .400 -.0009
 .497 -.0019
 .600 -.0182 .2703
 .631 .0021
 .698 -.0166
 .751 -.0121
 .752 -.0186
 .791 -.0131
 .809 -.0178
 .826 -.0178
 .831 -.0132
 .878 -.0181
 .900 -.0180
 .950 -.0174

ALPHA (2) = 19.629 MACH (1) = 7.320 RN/L = 4.5996 Q = 10.203 P = .27200 CPSTAG = 1.8331

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0187
 .050 .1411 .0727
 .100 .0067
 .200 -.0192 .0084 .0046
 .400 -.0151
 .497 -.0153
 .600 -.0179 .4516
 .631 .0013
 .698 -.0178
 .751 -.0131
 .752 -.0189
 .791 -.0155

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 711

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH37)

ALPHA (2) = 19.629 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809					-.0191
.826	-.0200				
.831		-.0136			
.878	-.0193				
.900				-.0183	
.950				-.0169	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 712

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(REZH38) (04 OCT 74)

REFERENCE DATA

SREF = 2590.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = -7.367
 ELEV-R = -7.033 SPDBRK = .000
 BDFLAP = -12 167 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.3273 Q = 10.456 P = .27880 CPSTAG = 1.8304

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0217			
.050		.1365	.0709	
.100				.0057
.200	-.0192	.0079	.0037	
.400				-.0146
.497				-.0140
.600		-.0172	.1556	
.631			-.0057	
.698		-.0174		
.751				-.0110
.752	-.0193			
.791			-.0083	
.809		-.0177		
.826	-.0195			
.831		-.0132		
.878	-.0051			
.900		-.0181		
.950		-.0174		

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 6.2873 Q = 10.457 P = .27880 CPSTAG = 1.8305

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0092			
.050		.1141	.0427	
.100				-.0053
.200	-.0200	.0006	-.0021	
.400				-.0131
.497				-.0134
.600		-.0052	.1783	
.631			-.0073	
.698		-.0166		
.751				-.0112
.752	-.0179			
.791			-.0076	

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 713

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT)

(REZH3B)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809			-.0173
.826	-.0182		
.831		-.0140	
.878	-.0068		
.900			-.0170
.950			-.0169

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XEZH03) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.694 MACH (1) = 7.320 RN/L = 3.1507 Q = 4.8898 P = .13040 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0190			
.050		.1511	.0724	
.100				.0077
.200	-.0175	.0136	.0106	
.400				-.0113
.497				-.0138
.630		-.0137	.1523	
.631			-.0058	
.698		-.0158		
.751				-.0072
.752	-.0168			
.791			-.0121	
.809		-.0126		
.826	-.0179			
.831		.0059		
.878	-.0077			
.900		-.0151		
.950		-.0156		

ALPHA (2) = 24.885 MACH (1) = 7.320 RN/L = 2.9852 Q = 4.7000 P = .12530 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0109			
.050		.1260	.0451	
.100				-.0025
.200	-.0186	.0045	.0046	
.400				-.0121
.497				-.0143
.600		-.0138	.1763	
.631			-.0061	
.698		-.0161		
.751				-.0081
.752	-.0167			
.791			-.0127	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 715

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XZHZ03)

ALPHA (2) = 24.885 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809		-.0134
.826	-.0176	
.831		.0033
.878	-.0098	
.900		-.0153
.950		-.0155

ALPHA (3) = 29.811 MACH (1) = 7.320 RN/L = 3.0896 Q = 4.8865 P = .13030 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0042	
.050		.1060	.0233
.100			-.0126
.200	-.0172	-.0008	.0003
.400			-.0121
.497			-.0150
.600		-.0129	.2378
.631			-.0044
.698		-.0163	
.751			-.0096
.752	-.0150		
.791			-.0140
.809		-.0136	
.826	-.0170		
.831		-.0007	
.878	-.0093		
.900		-.0163	
.950		-.0159	

ALPHA (4) = 34.784 MACH (1) = 7.320 RN/L = 3.0429 Q = 4.7300 P = .12610 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	-.0002		
.050		.0674	.0116
.100			-.0187
.200	-.0167	-.0072	-.0078
.400			-.0184

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XZHO3)

ALPHA (4) = 34.784 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					-.0189
.600			-.0098	.2427	
.631				-.0035	
.698			-.0159		
.751					-.0107
.752		-.0161			
.791				-.0142	
.809			-.0158		
.826	-.0178				
.831		.0035			
.878	.0033				
.900			-.0154		
.950			-.0159		

ALPHA (5) = 39.947 MACH (1) = 7.320 RN/L = 2.9430 Q = 4.6542 P = .12410 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0054			
.050			.0374	-.0031	
.100					-.0207
.200		-.0151	-.0119	-.0170	
.400					-.0175
.497					-.0174
.600			-.0107	.2493	
.631				-.0029	
.698			-.0155		
.751					-.0100
.752		-.0139			
.791				-.0131	
.809			-.0155		
.826	-.0163				
.831		.0003			
.878	-.0000				
.900			-.0151		
.950			-.0149		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 717

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XEZHO3)

ALPHA (6) = 44.174 MACH (1) = 7.320 RN/L = 3.0668 Q = 4.8743 P = .13000 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025					
.050		-.0095			
.100			.0170	-.0104	
.200		-.0155	-.0158	-.0190	-.0148
.400					-.0158
.497					-.0160
.600			-.0129	.1661	
.631				-.0068	
.698			-.0159		
.751					-.0122
.752		-.0146			
.791				-.0144	
.809			-.0157		
.826	-.0161				
.831		-.0044			
.878	-.0052				
.900			-.0157		
.950			-.0145		

ALPHA (7) = 48.803 MACH (1) = 7.320 RN/L = 2.8109 Q = 4.4555 P = .11880 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025					
.050		-.0091			
.100			.0030	-.0136	
.200		-.0110	-.0102	-.0091	-.0080
.400					-.0078
.497					-.0086
.600			-.0059	.9810	
.631				.0290	
.698			-.0093		
.751					-.0058
.752		-.0100			
.791				-.0043	
.809			-.0058		
.826	-.0112				
.831		.0033			
.878	.0120				
.900			-.0076		
.950			-.0019		

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XEZH04) (23 SEP 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 19.776 MACH (1) = 7.320 RN/L = 6.5642 Q = 10.494 P = .27980 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0177			
.050		.1345	.0677	
.100				.0045
.200	-.0182	.0067	.0028	
.400				-.0138
.497				-.0139
.600		-.0186	.3762	
.631			-.0010	
.698		-.0186		
.751				-.0116
.752	-.0179			
.791			-.0144	
.809		-.0151		
.826	-.0201			
.831		-.0103		
.878	-.0199			
.900		-.0193		
.950		-.0195		

ALPHA (2) = 24.809 MACH (1) = 7.320 RN/L = 7.6677 Q = 10.595 P = .28250 CPSTAG = 1.8291

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0088			
.050		.1166	.0395	
.100				-.0058
.200	-.0194	.0012	-.0008	
.400				-.0129
.497				-.0130
.600		-.0188	.4662	
.631			.0026	
.698		-.0175		
.751				-.0109
.752	-.0185			
.791			-.0116	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 719

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XZHO4)

ALPHA (2) = 24.809 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

809					
826	-.0182				-.0166
831		-.0109			
878	-.0181				
.900					-.0172
.950					-.0172

ALPHA (3) = 29.649 MACH (1) = 7.320 RN/L = 7.0262 Q = 10.546 P = .28120 CPSTAG = 1.8297

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

025		.0023			
050			.1016	.0201	
.100					-.0143
.200		-.0190	-.0046	-.0018	
.400					-.0147
.497					-.0146
.600			-.0179	.4692	
.631				.0025	
.698			-.0177		
.751					-.0127
.752		-.0178			
.791				-.0144	
809			-.0169		
.826	-.0184				
.831		-.0114			
.878	-.0179				
.900			-.0182		
.950			-.0184		

ALPHA (4) = 34.668 MACH (1) = 7.320 RN/L = 6.7645 Q = 10.525 P = .28060 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0031			
.050			.0516	.0083	
.100					-.0160
.200		-.0160	-.0078	-.0095	
.400					-.0164

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XEZH04)

ALPHA (4) = 34.668 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					
.600			-.0129	.4700	-.0162
.631				.0131	
.698			-.0162		
.751					-.0102
.752		-.0152			
.791				-.0125	
.809			-.0148		
.826	-.0168				
.831		.0040			
.878	.0046				
.900			-.0150		
.950			-.0147		

ALPHA (5) = 39.840 MACH (1) = 7.320 RN/L = 7.2364 Q = 10.537 P = .28090 CPSTAG = 1.8295

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0080			
.050			.0313	-.0061	
.100					-.0125
.200		-.0140	-.0119	-.0156	
.400					-.0147
.497					-.0112
.600			-.0110	.4681	
.631				.0241	
.698			-.0141		
.751					-.0079
.752		-.0118			
.791				-.0088	
.809			-.0124		
.826	-.0152				
.831		.0297			
.878	.0042				
.900			-.0121		
.950			-.0121		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 721

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(XEZHO4)

ALPHA (6) = 44.090 MACH (1) = 7.320 RN/L = 5.9691 Q = 10.442 P = .27840 CP5TAG = 1.8309

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	-.0117			
.050		.0125	-.0117	
.100				-.0146
.200	-.0151	-.0166	-.0167	
.400				-.0144
.497				-.0140
.600		-.0121	.4741	
.631			.0166	
.698		-.0152		
.751				-.0129
.752	-.0153			
.791			-.0127	
.809		-.0146		
.826	-.0161			
.831		-.0079		
.878	-.0052			
.900		-.0149		
.950		-.0151		

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XZHO5) (04 OCT 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.496 MACH (1) = 7.320 RN/L = 3.5316 Q = 4.8588 P = .12950 CPSTAG = 1.8291

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0220			
.050		.1462	.0731	
.100				.0083
.200	-.0165	.0146	.0099	
.400				-.0127
.497				-.0117
.600		-.0141	.0973	
.631			-.0084	
.698		-.0160		
.751				-.0085
.752	-.0170			
.791			-.0145	
.809		-.0157		
.826	-.0179			
.831		-.0070		
.878	-.0169			
.900		-.0171		
.950		-.0163		

ALPHA (2) = 29.560 MACH (1) = 7.320 RN/L = 3.2490 Q = 4.8389 P = .12900 CPSTAG = 1.8296

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0066			
.050		.1050	.0257	
.100				-.0114
.200	-.0181	.0000	.0010	
.400				-.0147
.497				-.0149
.600		-.0144	.1575	
.631			-.0082	
.698		-.0160		
.751				-.0100
.752	-.0162			
.791			-.0155	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 723

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XEZHO5)

ALPHA (2) = 29.560 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809				-.0156
.826	-.0169			
.831		-.0042		
.878	-.0167			
.900			-.0162	
.950			-.0166	

ALPHA (3) = 32.095 MACH (1) = 7.320 RN/L = 3.1240 Q = 4.8363 P = .12890 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0014		
.050			.0749	.0128
.100				-.0165
.200	-.0151	-.0060	-.0065	
.400				-.0163
.497				-.0168
.600		-.0453	.9924	
.631			.0276	
.698		-.0150		
.751				-.0085
.752	-.0126			
.791			-.0099	
.809		-.0132		
.826	-.0151			
.831		.0022		
.878	-.0141			
.900			-.0122	
.950			-.0135	

ALPHA (4) = 39.911 MACH (1) = 7.320 RN/L = 2.8960 Q = 4.8028 P = .12800 CPSTAG = 1.8304

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	-.0054			
.050		.0428	.0001	
.100				-.0187
.200	-.0140	-.0095	-.0160	
.400				-.0185

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XEZH05)

ALPHA (4) = 39.911 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B 3000 .4000 .6000 .8000 .9500

X/C

.497					-.0180
.600			-.0124	.2054	
.631				-.0046	
.698			-.0148		
.751					-.0100
.752		-.0126			
.791				-.0135	
.809			-.0128		
.826	-.0149				
.831		-.0001			
.878	-.0147				
.900			-.0147		
.950			-.0142		

ALPHA (5) = 45.000 MACH (1) = 7.320 RN/L = 3.0963 Q = 4.8303 P = .12980 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0076			
.050			.0195	-.0090	
.100					-.0127
.200		-.0125	-.0122	-.0161	
.400					-.0122
.497					-.0125
.600			-.0288	1.2595	
.631				.0460	
.698			-.0139		
.751					-.0067
.752		-.0106			
.791				-.0072	
.809			-.0091		
.826	-.0133				
.831		-.0006			
.878	-.0133				
.900			-.0118		
.950			-.0123		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 725

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XKZH05)

ALPHA (6) = 50.000 MACH (1) = 7.320 RN/L = 3.1132 Q = 4.8330 P = .12890 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0119			
.050			.0015	-.0144	
.100					-.0078
.200		-.0102	-.0106	-.0108	
.400					-.0093
.497					-.0081
.600			-.0197	1.2591	
.631				.0582	
.698			-.0110		
.751					-.0073
.752		-.0103			
.791				-.0050	
.809			-.0045		
.826	-.0106				
.831		-.0049			
.878	-.0096				
.900			-.0092		
.950			-.0090		

REPRODUCIBILITY OF THE
ORIGIN & PAGE IS POOR

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 726

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE (RT)

(XEZHD6) (04 OCT 74)

REFERENCE DATA

SREF = 2690 0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 5.050
 ELEV-R = 4.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 20.000 MACH (1) = 7.320 RN/L = 6.7243 Q = 10.501 P = .28000 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0206
 .050 .1326 .0636
 .100 .0046
 .200 -.0194 .0074 .0024
 .400 -.0160
 .497 -.0156
 .600 -.0309 .0503
 .631 -.0127
 .698 -.0182
 .751 -.0118
 .752 -.0196
 .791 -.0152
 .809 -.0184
 .826 -.0200
 .831 -.0124
 .878 -.0192
 .900 -.0183
 .950 -.0181

ALPHA (2) = 25.000 MACH (1) = 7.320 RN/L = 7.7607 Q = 10.550 P = .28130 CPSTAG = 1.8290

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.025 .0122
 .050 .1154 .0432
 .100 -.0040
 .200 -.0170 .0033 -.0005
 .400 -.0128
 .497 -.0127
 .600 -.0649 .4600
 .631 .0053
 .698 -.0149
 .751 -.0088
 .752 -.0159
 .791 -.0113

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 727

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XEZH06)

ALPHA (2) = 25.000 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809					
.826	-.0161				
.831		-.0061			
.878	-.0032				
.900			-.0141		
.950			-.0139		

ALPHA (3) = 30.000 MACH (1) = 7.320 RN/L = 6.7163 Q = 10.516 P = .28040 CPSTAG = 1.8300

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0018			
.050			.0992	.0205	
.100					-.0156
.200		-.0204	-.0055	-.0048	
.400					-.0168
.497					-.0171
.600			-.0129	.1018	
.631				-.0124	
.698			-.0189		
.751					-.0143
.752		-.0184			
.791				-.0173	
.809			-.0184		
.826	-.0193				
.831		-.0145			
.878	-.0191				
.900			-.0184		
.950			-.0190		

ALPHA (4) = 35.000 MACH (1) = 7.320 RN/L = 7.1376 Q = 10.553 P = .28130 CPSTAG = 1.8296

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0005			
.050			.0733	.0121	
.100					-.0170
.200		-.0158	-.0066	-.0070	
.400					-.0154

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 728

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XEZH06)

ALPHA (4) = 35.000 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					-.0154
.600			-.0499	.1997	
.631				-.0062	
.698			-.0147		
.751					-.0117
.752		-.0147			
.791				-.0136	
.809			-.0144		
.826	-.0153				
.831		-.0103			
.878	-.0084				
.900			-.0138		
.950			-.0145		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 729

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XZHZ11) (04 OCT 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = 10.000
 ELEV-R = 9.100 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 15.000 MACH (1) = 7.320 RN/L = .74700-01 Q = .98200-01 P = .26000-02 CPSTAG = 1.8287

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0373			
.050			.1758	.1123	
.100					.0226
.200		-.0153	.0225	.0211	
.400					-.0097
.497					-.0138
.600			.0000	.0317	
.631				-.0098	
.698			-.0156		
.751					-.0121
.752		-.0182			
.791				-.0172	
.809			-.0182		
.826	-.0175				
.831		-.0142			
.878	-.0114				
.900			-.0178		
.950			-.0181		

ALPHA (2) = 19.441 MACH (1) = 7.320 RN/L = 3.5810 Q = 4.8750 P = .13000 CPSTAG = 1.8290

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0221			
.050			.1499	.0740	
.100					.0093
.200		-.0168	.0147	.0107	
.400					-.0039
.497					-.0041
.600			-.0163	.4341	
.631				.0125	
.698			-.0159		
.751					-.0098
.752		-.0170			
.791				-.0128	

ARC 3.5-19B OH3B 140C ORB WING UPPER SURFACE(RT)

(XZHI1)

ALPHA (2) = 19.441 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809					-.0168
.826	-.0177				
.831		-.0112			
.878	-.0174				
.900				-.0170	
.950				-.0168	

ALPHA (3) = 25.000 MACH (1) = 7.320 RN/L = 2.9933 Q = 4.8167 P = .12840 CPSTAG = 1.8302

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0126			
.050			.1190	.0457	
.100					-.0034
.200		-.0194	.0035	.0005	
.400					-.0148
.497					-.0155
.600			-.0482	.0342	
.631				-.0129	
.698			-.0158		
.751					-.0108
.752		-.0169			
.791				-.0163	
.809			-.0171		
.826	-.0184				
.831		-.0099			
.878	-.0021				
.900			-.0169		
.950			-.0172		

ALPHA (4) = 29.674 MACH (1) = 7.320 RN/L = 3.3740 Q = 4.8572 P = .12950 CPSTAG = 1.8294

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0065			
.050			.1070	.0250	
.100					-.0111
.200		-.0176	.0005	.0006	
.400					-.0147

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 731

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XZHZ11)

ALPHA (4) = 29.674 MACH (1) = 7.320

SECTION . 1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					-.0145
.600			-.0158	.8661	
.631				.0176	
.698			-.0167		
.751					-.0082
.752		-.0154			
.791				-.0126	
.809			-.0159		
.826	-.0166				
.831		-.0095			
.878	-.0164				
.900			-.0166		
.950			-.0168		

ALPHA (5) = 34.627 MACH (1) = 7.320 RN/L = 3.3658 Q = 4.8506 P = .12930 CPSTAG = 1.8294

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0030			
.050			.0765	.0153	
.100					-.0154
.200		-.0143	-.0034	-.0064	
.400					-.0105
.497					-.0087
.600			-.0105	.3330	
.631				.0017	
.698			-.0135		
.751					-.0065
.752		-.0123			
.791				-.0112	
.809			-.0116		
.826	-.0138				
.831		.0088			
.878	.0054				
.900			-.0125		
.950			-.0118		

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 732

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XZHI1)

ALPHA (6) = 39.946 MACH (1) = 7.320 RN/L = 3.1941 Q = 4.8429 P = .12910 CPSTAG = 1.8298

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0055			
.050			.0415	-.0009	
.100					-.0183
.200		-.0134	-.0104	-.0166	
.400					-.0158
.497					-.0145
.600			-.0124	1.0065	
.631				.0237	
.698			-.0146		
.751					-.0038
.752		-.0128			
.791				-.0100	
.809			-.0122		
.826	-.0141				
.831		-.0069			
.878	-.0143				
.900			-.0136		
.950			-.0132		

ALPHA (7) = 44.081 MACH (1) = 7.320 RN/L = 3.2125 Q = 4.8398 P = .12900 CPSTAG = 1.8297

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

ZY/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0055			
.050			.0213	-.0074	
.100					-.0123
.200		-.0116	-.0127	-.0137	
.400					-.0129
.497					-.0134
.600			-.0079	.3227	
.631				.0044	
.698			-.0112		
.751					-.0043
.752		-.0099			
.791				-.0065	
.809			-.0090		
.826	-.0125				
.831		.0038			
.878	.0024				
.900			-.0091		
.950			-.0096		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 733

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(XZHI1)

ALPHA (8) = 48.676 MACH (1) = 7.320 RN/L = 3.1287 Q = 4.8314 P = .12880 CPSTAG = 1.8299

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B	.3000	.4000	.6000	.8000	.9500
X/C					
.025		-.0097			
.050			.0040	-.0129	
.100					-.0080
.200		-.0086	-.0089	-.0079	
.400					-.0084
.497					-.0081
.600			-.0075	.3351	
.631				.0091	
.698			-.0076		
.751					-.0041
.752		-.0081			
.791				-.0063	
.809			-.0082		
.826	-.0094				
.831		.0008			
.878	.0009				
.900			-.0068		
.950			-.0068		

DATE 14 NOV 75

TABULATED SOURCE DATA OH3B (ARC 3.5-198)

PAGE 734

ARC 3.5-198 OH3B 140C ORB WING UPPER SURFACE(RT)

(YEZH03) (05 AUG 74)

REFERENCE DATA

PARAMETRIC DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = 0100

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 3.000

ALPHA (1) = 19.289 MACH (1) = 7.320 RN/L = 3.0487 Q = 4.8277 P = .12870 CPSTAG = 1.8301

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0233			
.050		.1474	.0761	
.100				.0096
.200	-.0170	.0136	.0095	
.400				-.0141
.497				-.0136
.600		-.0133	.0528	
.631			-.0103	
.698		-.0155		
.751				-.0093
.752	-.0177			
.791			-.0129	
.809		-.0164		
.826	-.0188			
.831	-.0074			
.878	-.0157			
.900		-.0155		
.950		-.0161		

ALPHA (2) = 29.494 MACH (1) = 7.320 RN/L = 3.3679 Q = 4.8435 P = .12910 CPSTAG = 1.8294

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025	.0051			
.050		.1056	.0238	
.100				-.0129
.200	-.0189	-.0004	-.0003	
.400				-.0162
.497				-.0160
.600		-.0137	.0682	
.631			-.0141	
.698		-.0176		
.751				-.0074
.752	-.0174			
.791			-.0136	

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 735

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(YEZH03)

ALPHA (2) = 29.494 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.809				-.0151
.826	-.0183			
.831		.0099		
.878	-.0169			
.900			-.0167	
.950			-.0163	

ALPHA (3) = 34.774 MACH (1) = 7.320 RN/L = 3.2586 Q = 4.8475 P = .12920 CPSTAG = 1.0296

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		.0009		
.050			.0773	.0145
.100				-.0169
.200		-.0169	-.0059	-.0072
.400				-.0164
.497				-.0170
.600			-.0131	.1483
.631				-.0088
.698			-.0158	
.751				-.0104
.752		-.0155		
.791				-.0145
.809			-.0153	
.826	-.0176			
.831		-.0079		
.878	-.0163			
.900			-.0147	
.950			-.0149	

ALPHA (4) = 39.931 MACH (1) = 7.320 RN/L = 2.9528 Q = 4.8037 P = .12810 CPSTAG = 1.0303

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025		-.0071		
.050			.0400	-.0029
.100				-.0211
.200		-.0168	-.0122	-.0179
.400				-.0192

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(YEZH03)

ALPHA (α) = 39.931 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.497					
.600					
.631			-.0127	.1404	
.698			-.0171	-.0092	
.751					
.752					-.0128
.791		-.0147			
.809				-.0153	
.826			-.0136		
.831	-.0171				
.878		-.0015			
.900	-.0175				
.950			-.0168		
			-.0166		

ALPHA (α) = 44.104 MACH (1) = 7.320 RN/L = 3.5349 Q = 4.8692 P = .12980 CPSTAG = 1.8291

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C

.025					
.050		-.0090			
.100			.0211	-.0091	
.200		-.0138	-.0151	-.0174	-.0154
.400					-.0147
.497					-.0149
.600			-.0115	.1685	
.631				-.0059	
.698			-.0146		
.751					-.0109
.752		-.0138			
.791				-.0131	
.809			-.0147		
.826	-.0147				
.831		-.0082			
.878	-.0146				
.900			-.0149		
.950			-.0136		

DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 737

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(YEZH04) (05 AUG 74)

REFERENCE DATA

SREF = 2690.0000 SQ.FT. XMRP = .0000
 LREF = 1290.3000 IN. YMRP = .0000
 BREF = 1290.3000 IN. ZMRP = .0000
 SCALE = .0100

PARAMETRIC DATA

BETA = .000 ELEV-L = .117
 ELEV-R = .000 SPDBRK = .000
 BDFLAP = .000 RN/L = 6.500

ALPHA (1) = 29.613 MACH (1) = 7.320 RN/L = 7.8990 Q = 10.584 P = .28220 CPSTAG = 1.8289

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C
 .025 .0021
 .050 .0995 .0177
 .100 -.0153
 .200 -.0179 -.0042 -.0042
 .400 -.0155
 .497 -.0153
 .600 -.0166 .4660
 .631 .0073
 .698 -.0175
 .751 -.0104
 .752 -.0160
 .791 -.0117
 .809 -.0108
 .826 -.0181
 .831 -.0007
 .878 -.0174
 .900 -.0169
 .950 -.0166

ALPHA (2) = 39.926 MACH (1) = 7.320 RN/L = 7.1317 Q = 10.531 P = .28080 CPSTAG = 1.8295

SECTION (1) WING UPPER SURFACE

DEPENDENT VARIABLE CP

2Y/B .3000 .4000 .6000 .8000 .9500

X/C
 .025 -.0097
 .050 .0342 -.0052
 .100 -.0193
 .200 -.0177 -.0137 -.0193
 .400 -.0178
 .497 -.0182
 .600 -.0156 .4678
 .631 .0153
 .698 -.0172
 .751 -.0137
 .752 -.0161
 .791 -.0142

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DATE 14 NOV 75

TABULATED SOURCE DATA OH38 (ARC 3.5-198)

PAGE 738

ARC 3.5-198 OH38 140C ORB WING UPPER SURFACE(RT)

(YEZH04)

ALPHA (2) = 39.926 MACH (1) = 7.320

SECTION (1) WING UPPER SURFACE DEPENDENT VARIABLE CP

ZY/B .3000 .4000 .6000 .8000 .9500

X/C

.809		-.0107
.826	-.0179	
.831	-.0056	
.878	-.0172	
.900		-.0161
.950		-.0168